



19<sup>th</sup> Triennial Congress of the  
International Ergonomics Association  
**Melbourne Convention and Exhibition Centre**  
**MELBOURNE, AUSTRALIA • 9–14 August 2015**  
[www.iea2015.org](http://www.iea2015.org)

*Reaching Out*

## **Final Report to the IEA**

**30<sup>th</sup> August 2017**

- HFESA Report on IEA2015
- Final Budget - Summary
- MCI Australia Final Report
- Conference Program
- Delegate List
- Conference Committee Report and Recommendations
- Comments regarding Conference Management System
- Full Budget Details

# 19<sup>th</sup> Triennial Congress of the International Ergonomics Association

Melbourne, Australia - 9-14 August 2015

## Final Report

The Triennial Congress is the highlight event of the IEA and each Executive. It provides members from around the world with a platform to share knowledge and research, network, meet each other and form groups.

### Organisation Committee

The committee consisted of:

- Christine Marks – Convenor (HFESA)
- Gitte Lindgaard (HFESA)
- Verna Blewett (HFESA)
- Margaret Cook (HFESA)
- Rosemary Seva (PHILERGO)
- Barbara McPhee (HFESA)
- Robin Burgess-Limerick (HFESA)
- Dave Moore (HFESNZ)
- Leon Straker (HFESA)
- Michael Regan (HFESA)
- Stephen Legg (HFESNZ)

Each of the organising committee members managed a portfolio. The Social Committee organised the social events plus the excellent and well-attended Congress dinner.

### The Congress logo design

In keeping with the 'Reaching Out' theme, the Organising Committee invited students to design the logo for the Congress. The selected logo was designed by Alyssa McRae-Mason, a design student from Canberra University.

### Keynote speakers

There were five Keynote speakers representing the diversity of the IEA family in both practice and research. From their different perspectives they focussed on the theme of 'Reaching Out'.

They were:

- David Dunstan (Australia);
- Sue Hignett (United Kingdom);
- Clas-Håkan Nygård (Finland);
- Gaur G. Ray (India) and
- Trent Victor (Sweden)

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### Scientific Program

There were 1,332 abstracts submitted and 729 oral presentations included in individual sessions, forums, seminars and workshops and 73 poster presentations.

The Scientific Program included a very successful Students Program with several sessions dedicated to student projects and theses and an inexpensive and well-attended social program.

### Professional Congress Organisation

A delegation of the Organising Committee interviewed four Professional Congress Organisers (PCO) for this Congress; MCI was successful in this process.

MCI worked closely with the Convenor and the Organising Committee and attempted to meet the particular needs of Congress organisation. The complexity of meeting the needs of IEA, HFESA and the Technical Committees was at times challenging however, the staff at MCI were at all times respectful, helpful and offered solutions to overcome issues as they arose.

### Delegates

Early in the preparation of the Congress, the IEA Executive advised the Organising Committee to aim for 900 delegates because of the distance and costs involved in travelling to Australia. Initially we aimed for more delegates but concentrated our efforts on the local and Asian Pacific regions.

We achieved 963 delegates including 63 Free of Charge (including keynote speakers, sponsors, exhibitors and IEA delegates). The rough overall breakdown is as follows:

<b>Australia and New Zealand</b>		<b>341</b>
----------------------------------	--	------------

Asia		
	Brunei Darussalam	1
	China	28
	Hong Kong	9
	India	15
	Indonesia	9
	Japan	66
	Malaysia	7
	Philippines	4
	Singapore	7
	South Korea	11
	Taiwan	26
	Thailand	4
		<b>187</b>

Europe		
	Belgium	6
	Denmark	16
	Finland	3

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	France	50
	Germany	30
	Ireland	1
	Italy	10
	Netherlands	12
	Norway	3
	Poland	1
	Portugal	1
	Spain	1
	Sweden	41
	Switzerland	2
	UK	10
		<b>187</b>

<b>Africa</b>	Nigeria	1
	South Africa	10
		<b>11</b>

<b>Middle East</b>	Bahrain	1
	Israel	1
	Lebanon	1
	Turkey	2
	Iran	1
		<b>6</b>

<b>South and Central America</b>	Brazil	27
	Chile	5
	Colombia	12
	Mexico	5
	Venezuela	1
		<b>50</b>

<b>North America</b>	Canada	25
	USA	74
		<b>99</b>

<b>No country given</b>		<b>47</b>
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### Venue

The Melbourne Convention and Exhibition Centre provided space for Congress presentations and posters all on one level with the exception of a small number of sessions that ran on the floor above.

The audiovisual technology and support worked and was of a high standard.

The area was sunny with pleasant views over the river and the southern parts of the city. It was within easy walking distance of the city centre, accommodation and sightseeing locations.

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The catering arrangements worked well, with good, plentiful food. The centre's staff was helpful and ensured that everyone's particular eating and drinking needs were met.

### Proceedings

One of the aims of the IEA is to promote ergonomics knowledge and practice. The Organizing Committee requested that the IEA own the proceedings and that they should be made available for public access as soon after the Congress as possible. To that end, the Congress committee arranged for the papers to be published on the University of Queensland website during the Congress and for a short time afterwards. Later the IEA was able to move them onto the IEA website.

### Finances

Seed funding from IEA                      \$24, 976.00

Seed funding returned to IEA              \$24, 976.00

Meeting Income (including government sponsorship)	832,929.10	
Exhibition Income	59,545.45	
<b>Total income</b>		<b>892,474.55</b>
Meeting Expenses	872,210.23	
Exhibition expenses	19,743.12	
Capitation fees due to IEA	19,953.92	
<b>Total expenses</b>		<b>911,907.27</b>
<b>Total loss</b>		<b>19,432.72</b>

### Summary

Overall, and despite a financial loss, the Organising Committee considered the Congress a success as it met its aims in terms of diversity, information exchange, social contact and advancing the aims of ergonomics and humans factors across the world.

The general feeling of the conference was very collaborative and friendly with many attendees making positive comments on the 'feel' of the Congress.

Increasingly international events compete for fewer and fewer resources, particularly finances; this Congress was no exception. The Organising Committee, and in particular the Chair, had the unenviable task of balancing finances with the quality of the venue, catering, social events and the scientific program.

In order to ensure that host countries and the IEA itself are able to sustain good quality, accessible Congresses there needs to be some re-consideration of the use of IT and remote live access. Given the different time zones, it is likely that some formats might be better than others. Another consideration is that planning so far ahead means that as technology changes more options become available year by year.

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## Final Report

This is not something that a local committee can do on its own. It will require guidance and co-operation from the IEA and other Member organisations.

This report was prepared by Christine Marks, Convenor with significant contribution from members of the Organising Committee.



Christine Marks

Convenor

19<sup>th</sup> Triennial Congress of the International  
Ergonomics Association



Margaret Cook

President

Human Factors and Ergonomics Society of  
Australia Inc.

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**IEA 2015**

	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
Copyright © and commercial in confidence 2013		
Paid delegates (inc CNX)	900	900
Total including FOC	963	963
Total including FOC and Non Reg	963	963

PAID DELEGATES	863	863
Fulltime IEA federated and affiliated society member registration	258	258
Fulltime HFESA member registration	136	136
Fulltime non-member registration	105	105
Fulltime IEA council member registration	23	23
Fulltime industrially developing country (IDC) registration	94	94
Fulltime non-IDC student	94	94
Fulltime IDC student	36	36
Day only registration	110	110
<b>FOC DELEGATES (INCLUDED IN DELEGATE COUNT)</b>	<b>63</b>	<b>63</b>
F/T - FOC	25	25
Day - FOC	0	0
Session - FOC	1	1
F/T - SponEx	37	37

Meeting income (ex GST)		
Registration (REGIN)	635885.68	635,885.68
Non registrants (NONREGIN)	0.00	0.00
Function ticket sales (SOCIN)	23,036.36	23,036.36
Sponsorship (SPONIN)	173,499.78	173,499.78
Sundry income (SUNDIN)	507.27	507.27
<b>Meeting income</b>	<b>832,929.10</b>	<b>832,929.10</b>

Meeting expenses - ex GST		
01 - Congress centre rental & infrastructure (VENUEX)	237,985.00	237,985.00
02 - Print and electronic matter & promotional material (PRINTEX)	21,131.30	21,131.30
03 - Marketing & promotion (PROMEX)	27,300.00	27,300.00
04 - Technical equipment - congress/exhibition (STAGEX)	64,165.94	64,165.94
05 - Services (SERVEX)	13,500.00	13,500.00
06 - Material for participants (MATEREX)	12,008.18	12,008.18
07 - Invited speakers & committees (PROGEX)	19,186.87	19,186.87
08 - Transportation/shuttles (TRANSEX)	0.00	0.00
09 - Onsite secretariat - staff costs (STAFFEX)	36,010.00	36,010.00
10 - Pre-congress secretariat expenses (SECTEX)	7,674.95	7,674.95
11 - Host and committee expenses (HOSTEX)	4,096.45	4,096.45
12 - Meals & social activities (SOCIALEX)	267,393.64	267,393.64
13 - Various (VAREX)	55,181.76	71,831.11
14 - Reserve/provision (SUNDEX)	0.00	0.00
15 - Organisation fee - PCO (ORGFEEEX)	103,931.14	103,931.14
16 - Calculated amounts - on turnover (CALCEX)	2,645.00	2,645.00
<b>Meeting expenses (TOTALEX)</b>	<b>872,210.23</b>	<b>888,859.58</b>
<b>Meeting surplus/loss (MEETSURP)</b>	<b>-39281.13</b>	<b>-55,930.49</b>

Exhibition income - Ex GST		
Booth 3m x 3m	11	11
Space only (9m2)	2	2
FOC 3m x 3m	2	2
FOC NFP	2	2
Exhibition sales (EXSALESIN)	59,545.45	59,545.45
Other (EXOTHERIN)	0.00	0.00
<b>Exhibition income (EXTOTIN)</b>	<b>59,545.45</b>	<b>59,545.45</b>

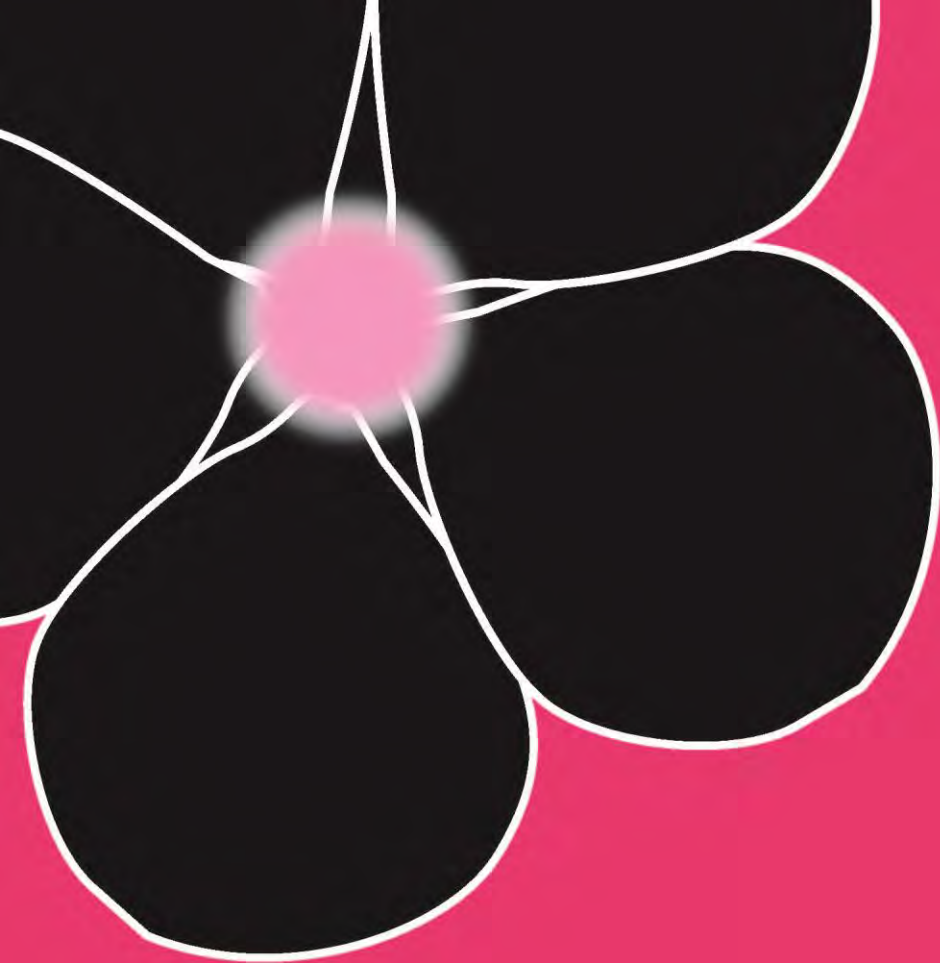
Exhibition costs - ex GST (EXCOST)		
Print items (EXPREX)	340.00	340.00
Venue costs (EXVENUEX)	6,653.57	6,653.57
Panel/on-site hire (EXPANEX)	5,195.00	5,195.00
Promotion (EXPROMOEX)	0.00	0.00
Organisers fees (EXORGFEEEX)	7,554.55	7,554.55
Catering (EXCATEREX)	0.00	0.00
Sundry (EXSUNDRYEX)	0.00	0.00
Calculated allowances (EXCALCEX)	0.00	0.00
<b>Exhibition costs (EXTOTEX)</b>	<b>19,743.12</b>	<b>19,743.12</b>

<b>Exhibition surplus (EXSURP)</b>	<b>39802.33</b>	<b>39,802.34</b>
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<b>Total meeting &amp; exhibition income</b>	<b>892,474.55</b>	<b>892,474.55</b>
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Total surplus venue 1		
At current exhibition sales	521.20	-16,128.15
ROI	0.06%	-3.33%

SEED FUNDING AND BALANCE DUE		
At current exhibition sales		
Event profit (including GST)	573.33	-17,740.96
Plus seed funding received	24,976.00	24,976.00
Balance due to the client post event	25,549.33	7,235.04



# report

**19<sup>th</sup> Triennial Congress of the International  
Ergonomics Association**

**9 - 14 August 2015**

**Melbourne Convention and Exhibition Centre**

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# Post event report

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## Appendices

(Attached separately)

**Appendix 1:** Financial summary

**Appendix 2:** Congress program

**Appendix 3:** Delegate list

## Congress overview

This report is primarily a statistical and financial record to assist planning for future events. However it does include MCI's perceptual comment where considered appropriate for future benefit.

MCI Australia requests that you respect the value of our intellectual property contained in this report and the commercially sensitive nature of information enclosed, and guarantee that this report is not made available in any form to any party which could be deemed to be a competitor of this organisation.

The 19<sup>th</sup> Triennial Congress of the International Ergonomics Association was held at the Melbourne Convention and Exhibition Centre in Melbourne, Australia from 9–14 August 2015.

### Organising committee

MCI worked predominately with the following committee members:

- Christine Marks
- Gitte Lindgaard
- Dave Moore
- Barbara McPhee
- Robin Burgess – Limerick
- Leon Straker
- Michael Regan
- Rosemary Seva
- Margaret Cook
- Stephen Legg
- Verna Blewett

### Program

The congress program consisted of invited speakers and abstract presenters for five days of morning and afternoon sessions (plenary and concurrent sessions), all held at the congress venue. In addition to the 729 oral presentations given onsite, there were 73 physical posters displayed. Please see Appendix 2 for the final program.

### Logo/theme

Congress branding was developed by the organising committee via a competition. The branding was used on all congress print and web based material.



### The Congress logo design

In keeping with the “Reaching Out” theme, the Organising Committee invited students to design the logo for the Congress. The selected logo was designed by Alyssa McRae-Mason, a design student from Canberra University.

### The designer's interpretation of the logo

A human body is incorporated into the logo because ergonomics is all about helping people. The reaching out theme is implied by stretching the human's arms to show it reaching out as if to hug someone, this brings a warm and welcoming feeling to the logo. A smaller person represents a child showing that there is no discrimination.

The logo features the colour black which creates contrast and will make it stand out, the blue implies warmth and a serene calm, representing the morals of ergonomists. As the logo is mainly shapes it will be easily visible and

understandable to vision impaired individuals, this is a benefit as there can be no confusion when it comes to the logo and its identity.

### Accommodation

MCI Australia coordinated a block booking of accommodation rooms at the following hotels. Please refer to page 13 for a detailed accommodation break down.

- Hilton South Wharf
- The Langham
- Intercontinental the Rialto
- Crowne Plaza
- Crown Promenade Hotel
- Holiday Inn on Flinders
- Novotel on Collins
- Clarion Suites Gateway
- Adina Apartment Hotel
- Pensione Hotel
- Rendezous Grand Hotel
- Travelodge Southbank
- Vibe Savoy Hotel
- Grand Hotel Melbourne
- Ibis Melbourne Little Bourke Street

### Audiovisual services

Audiovisual services were provided by the Melbourne Convention and Exhibition Centre and coordinated by Matthew McNeill, the technical director hired for the congress. Matthew provided excellent service, with audiovisual support running smoothly and efficiently.

### Exhibition

A trade show was held in conjunction with the congress. This comprised of 17 booth equivalents.

### Registration

Registration prices were offered as follows:

***Except where indicated all figures are in Australian dollars and are inclusive of GST.***

	<b>Earlybird</b> (on or before 10 July 2015)	<b>Standard</b> (from 11 July until 7 August 2015)	<b>Late/onsite</b> (on or after 8 August 2015)
Fulltime IEA Federated and Affiliated Society member	\$940	\$990	\$1,040
Fulltime HFESA member	\$940	\$990	\$1,040
Fulltime non-member	\$1,240	\$1,290	\$1,340
Fulltime IEA Council member	\$880	\$880	\$880
Fulltime Industrially Developing Country	\$590	\$640	\$690
Fulltime Student	\$590	\$640	\$690
Fulltime Industrially Developing Country Student	\$290	\$290	\$390
Day only	\$400	\$400	\$400

The congress was attended by 926 guests including fulltime delegates, complimentary registrations, day delegates, sponsors and exhibitors (963 including cancelled registrations). A full breakdown of delegate numbers and demographic details is included on page 11.

## Financial outcome

The congress final outcome was as follows:

Final budget as per MCI's accounts: \$521.20 ex GST / \$573.33 inc GST  
 Projected budget – factoring in the IEA capitation fee: -\$16,128.15 ex GST / -\$17,740.96 inc GST

A summary of the financials is attached as Appendix 1 to this report. All financial figures indicated are in Australian dollars unless otherwise stated.

The congress secured a total of \$65,500 (inc GST) in sponsorship income and \$65,500 (inc GST) in exhibition funds. Confirmed sponsors and exhibitors and their entitlement packages are detailed in this report (sponsors - page seven and trade show - page eight).

### Original delegate target vs. actual

	Original target (ex GST)	Final (ex GST)	Projected (ex GST) **Factors in IEA capitation fee
Paying delegates	840	900	900
Complimentary delegates	60	63	63
<i>Total delegates</i>	<i>900</i>	<i>963</i>	<i>963</i>
Registration revenue	\$ 673,318.18	\$ 635,885.68	\$ 635,885.68
Sponsorship revenue	\$ 247,000.00	\$ 173,499.78	\$ 173,499.78
Exhibition revenue	\$ 122,963.64	\$ 59,545.45	\$ 59,545.45
Other revenue	-	\$ 23,543.64	\$ 23,543.64
<i>Total revenue</i>	<i>\$ 1,043,281.82</i>	<i>\$ 892,474.55</i>	<i>\$ 892,474.55</i>
Meeting expenses	\$ 1,045,698.64	\$ 872,210.23	\$ 888,859.58
Exhibition expenses	\$ 35,104.18	\$ 19,743.12	\$ 19,743.12
<i>Total expenses</i>	<i>\$ 1,080,802.82</i>	<i>\$ 891,953.35</i>	<i>\$ 908,602.70</i>
<b>Final outcome</b>	<b>-\$ 37,521.00</b>	<b>\$ 521.20</b>	<b>-\$ 16,128.15</b>

Feedback from delegates received during and following the congress highlighted the success of the event. Many delegates praised the program, social functions and the general congress organisation.

## The event in more detail

### PROGRAM

The program was prepared by the congress committee. Five days of sessions were offered, including plenary presentations and concurrent sessions.

A copy of the final printed congress program is attached as Appendix 2 to this report.

Speaker expenses for invited speakers' fees, travel, accommodation and gifts totalled \$15,221.18 ex GST.

#### Keynote presentations

Five keynote speakers were invited to present at the congress. MCI was responsible for formal correspondence concerning speaker involvement, including formal invitation, confirmation letter and final brief for each speaker, chairperson and audio visual supplier.

Speaker	Support
Clas Hakan Nygard	Finland to Melbourne economy return flights Five nights' accommodation at the Hilton South Wharf One fulltime registration
Victor Trent	Sweden to Melbourne economy return flights Five nights' accommodation at the Hilton South Wharf One fulltime registration
Gaur Ray	India to Melbourne economy return flights Five nights' accommodation at the Hilton South Wharf One fulltime registration
Sue Hignett	UK to Melbourne economy return flights Five nights' accommodation at the Hilton South Wharf One fulltime registration
David Dunstan	Five nights' accommodation at the Hilton South Wharf One fulltime registration

#### Abstract submissions

1,332 abstracts were submitted for the congress under the following themes:

- Activity theories for work analysis and design
- Areospace HFE
- Affective design
- Aging
- Agriculture
- Anthropometry
- Auditory ergonomics
- Building and construction
- Ergonomics for children and educational environments
- Ergonomics in design
- Ergonomics in manufacturing
- Gender and work
- Healthcare ergonomics
- Human factors and sustainable development
- Human simulation and virtual environments
- Mining
- Musculoskeletal disorders
- Online communities
- Organisational design and management
- Process control
- Psychophysiology in ergonomics
- Safety and health
- Slips, trips and falls
- Transport ergonomics and human factors
- Visual ergonomics
- Working with computer systems

The abstracts were published on the University of Queensland website, at <http://ergonomics.uq.edu.au/iea>.

## SPONSORSHIP

A sponsorship prospectus was designed and distributed in December 2013. The congress secured a total of \$65,500 inc GST in sponsorship income. Sponsorship secured and entitlements negotiated are outlined below:

**Presenting partner**                      **\$25,000 inc GST**  
**Worksafe Victoria**

- Two exhibition booth spaces
- Four complimentary fulltime registrations
- Opportunity to nominate a panel speaker
- One satchel insert
- Logo on congress website
- Logo and 50 word blurb in congress handbook
- Logo on sponsored AV slides
- Delegate list

**Major partner**                              **\$12,500 inc GST**  
**Volvo Car Australia**

- One car located within exhibition
- One complimentary registration
- One satchel insert
- Logo on congress website
- Logo and 50 word blurb and one full page colour advert included in congress handbook
- Naming rights to workshop session
- Delegate list

**Satchel insert**                              **\$1,100 inc GST**  
**Ashgate Publishing**

- One satchel insert

**Satchel insert**                              **\$1,100 inc GST**  
**The Good Use Company**

- One satchel insert

**Satchel insert**                              **\$1,100 inc GST**  
**NZ Work Research Institute**

- One satchel insert

**Presenting partner**                      **\$15,000 inc GST**  
**Safework Australia**

- Two exhibition booth spaces
- Four complimentary fulltime registrations
- Opportunity to nominate a panel speaker
- One satchel insert
- Logo on congress website
- Logo and 50 word blurb in congress handbook
- Logo on sponsored AV slides
- Delegate list

**Workshop partner**                      **\$7,500 inc GST**  
**Varidesk**

- One complimentary registration
- Three welcome reception tickets
- One workshop to be included in the congress program
- One satchel insert
- Logo on congress website
- Logo and 50 word blurb in congress handbook
- Logo on sponsored AV slides
- Delegate list

**Satchel insert**                              **\$1,100 inc GST**  
**Thinking space**

- One satchel insert

**Satchel insert**                              **\$1,100 inc GST**  
**Strech now**

- One satchel insert

In addition to the above, the Victorian Government was also involved with IEA 2015.

## EXHIBITION

The target list of potential exhibitors consisted of past IEA Congress exhibitors, contacts in relevant organisations provided by the committee and research conducted by MCI Australia.

The trade show was held in the Melbourne Convention Centre level one foyer. The trade show was opened on Monday 10 August 2015 to delegates and remained open for the duration of the congress. Morning teas, lunches and afternoon teas were held in the trade show. Catering stations were situated in all areas of the trade show to ensure delegate movement throughout the area.

### Booth prices

An earlybird trade show booth rate was offered to potential exhibitors to encourage their early participation and commitment.

Booth type	Earlybird	Standard
Shell scheme booth (3m x 3m)	\$ 5,000	\$ 5,500
Space only (9m <sup>2</sup> )	\$ 4,500	\$ 5,000

### Package inclusions

#### Shell scheme booth

- 1 fulltime registration
- 1 exhibitor registration
- One 3m x 3m booth (including carpeting, fascia panel, walls, lighting and power)
- Handbook listing
- Delegate list

#### Space only

- 1 fulltime registration
- 1 exhibitor registration
- One 9m<sup>2</sup> space (including carpeting and power)
- Handbook listing
- Delegate list

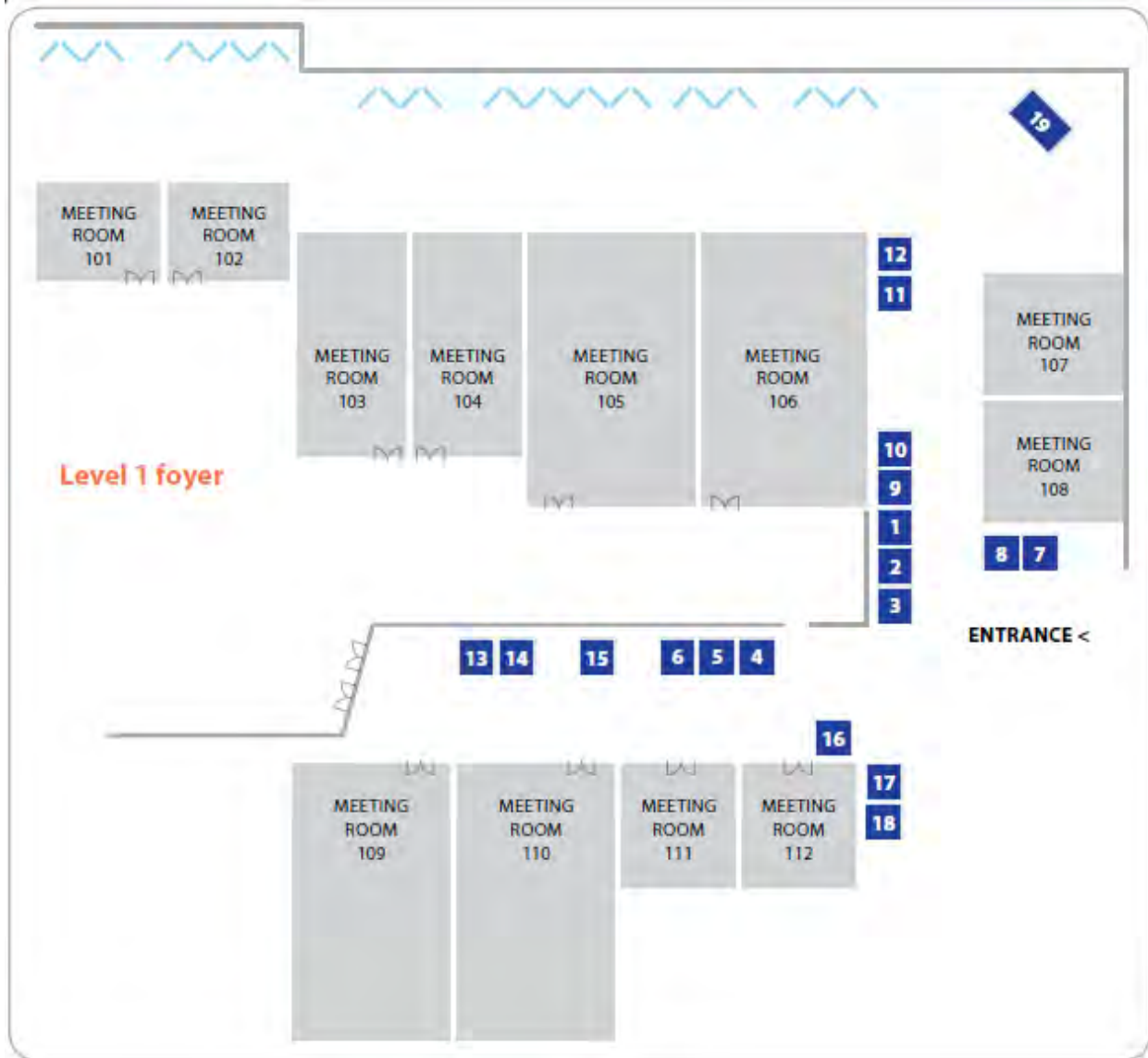
### Booth sales

The trade show totalled 17 booth equivalents, consisting of 13 paid booths, and four FOC booths. The congress secured a total of \$65,500 in GST in exhibition income.

### Confirmed exhibitors

Exhibitor	Booth
Arjohuntleigh	16
Dal Brands	10
Elsevier	6
Ergoport	4
Hill – Rom	14
IEA 2018	5
IEA/HFESA/HFESNZ	1
In Med	11
Kockums Bulk Systems	15
La Trobe University	2
Linak Australia	9
Peacock Bros	13
Schiavello	12
Thinking Space Systems	3
Volvo	19
Varidesk	17 and 18
Worksafe Victoria	7 and 8

# Exhibition floor plan





## MARKETING AND PROMOTION

The printed material for the congress included 1,000 copies of the congress handbook. The following items promoting the congress were done electronically:

- Emails
- Website
- Sponsorship and exhibition prospectus
- Print adverts
- Registration flyer

### Emails

Email content was developed by MCI Australia in conjunction with the committee, then graphically designed and distributed by MCI Australia on a regular basis promoting new information on the congress and reminding potential delegates/sponsors of upcoming deadlines (e.g. earlybird deadline, standard deadline etc).

### Website, email address and telephone number

The congress website was developed and updated by MCI Australia and the committee. Delegates could register online as well as download information such as the sponsorship and exhibitor prospectus and congress program.

The following dedicated email addresses were set-up for general, registration and sponsorship enquiries and were advertised on promotional materials.

- [info@iea2015.org](mailto:info@iea2015.org)
- [program@iea2015.org](mailto:program@iea2015.org)
- [sponex@iea2015.org](mailto:sponex@iea2015.org)

A dedicated congress telephone number was also established (+61 3 9320 8661) with auto-attendant facilities to direct callers to the appropriate person whether it be the event manager, sponsorship sales manager, the guest services officer or MCI Australia reception.

## CONGRESS MERCHANDISE

The following merchandise was provided to delegates at the congress:

Description	Quantity
Delegate list	500
Name badges, lanyards and pockets	1,000
Congress handbooks	1,000
Satchels	1,000

### Delegate list

A delegate list including all registered delegates' names, organisations, state and country was handed out as requested from the registration desk.

### Name badges and lanyards

The name badges featured the congress logo. Each name badge had a coloured strip that identified the registration type of the delegate (i.e. delegate, day delegate, speaker, sponsor, exhibitor, committee, and MCI Australia staff). The lanyards were plain white.

## DELEGATE NUMBERS

A full list of delegates is attached as Appendix 3 to this report (the list does not include cancelled registrations).

### Registration types:

<b>Fulltime IEA federated and affiliated society member registration</b>	Late	1
	Normal	20
	Early	237
	Cancelled	7
<b>Fulltime HFESA member registration</b>	Late	3
	Normal	22
	Early	111
	Cancelled	4
<b>Fulltime non-member registration</b>	Late	2
	Normal	17
	Early	86
	Cancelled	2
<b>Fulltime IEA council member registration</b>	Late	0
	Normal	0
	Early	23
	Cancelled	1
<b>Fulltime industrially developing country (IDC) registration</b>	Late	6
	Normal	19
	Early	69
	Cancelled	11
<b>Fulltime non-IDC student</b>	Late	0
	Normal	12
	Early	82
	Cancelled	4
<b>Fulltime IDC student</b>	Late	0
	Normal	4
	Early	32
	Cancelled	3
<b>Day only registration</b>	Late	109
<b>Session pass</b>	Normal	1
	Early	0
	Cancelled	5
<b>Fulltime discounted retiree</b>	Normal	1
<b>Discount IEA</b>	Normal	1
<b>Discount sponsor</b>	Normal	5
	Cancelled	0
<b>Complimentary fulltime delegate</b>		25
<b>Complimentary day delegate</b>		0
<b>Complimentary session participant</b>		1
<b>Complimentary fulltime sponsor and exhibitor</b>		37
<b>Total registrants</b>		<b>963</b>

41 countries were represented at the congress:

Australia	316
Bahrain	1
Belgium	6
Brazil	27
Brunei Darussalam	1
Canada	25
Chile	5
China	28

Colombia	12
Denmark	16
Finland	3
France	50
Germany	30
Hong Kong	9
India	15
Indonesia	9
Ireland	1

Israel	1
Italy	10
Japan	66
Korea (South)	11
Lebanon	1
Malaysia	7
Mexico	5
Netherlands	12
New Zealand	25
Nigeria	1
Norway	3
Philippines	4
Poland	1
Portugal	1
Singapore	7
South Africa	10
Spain	1
Sweden	41
Switzerland	2
Taiwan	26
Thailand	4
Turkey	2
USA	74
UK	10
No country given	84
<b>Australia breakdown by state</b>	
ACT	11
NSW	74
QLD	56
SA	18
AS	5
VIC	121
WA	28
NT	0
No state given	3

## CONGRESS VENUE

### Melbourne Convention and Exhibition Centre

Prior to the congress, MCI Australia provided the Melbourne Convention and Exhibition Centre with several detailed briefs on all congress requirements. Closer to the event, MCI Australia staff met with key personnel to ensure arrangements ran according to plan. The Melbourne Convention and Exhibition Centre provided an excellent level of service throughout the congress.

The congress used plenary one as the main plenary session room and rooms 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 203 and 204 as concurrent session rooms. The Convention Centre level one foyer was used for the trade show and Atlantic at the Peninsula for the off-site congress dinner. Registration was conducted in the ground floor foyer outside plenary one.

Arrival tea and coffee, morning tea, lunches and afternoon tea were all held in the level one foyer.

## CONGRESS ACCOMMODATION

Following is a summary of the accommodation rooms booked through MCI.

	06/08	07/08	08/08	09/08	10/08	11/08	12/08	13/08	14/08	15/08
<b>Adina apartment hotel</b>										
One bedroom apartment			3	4	4	4	4	4	1	
<b>Clarion apartments</b>										
Studio apartment			1	2	2	2	1	1		
<b>Crowne Plaza</b>										
Run of house	2	4	16	19	20	20	19	19	5	2
<b>Hilton South Wharf</b>										
King guest room				4	4	4	4	4		
<b>Holiday Inn on Flinders</b>										
Standard room				1	1	1	1	1		
<b>Ibis</b>										
Standard queen				1	1	1	1	1		
<b>Novotel on Collins</b>										
Standard queen			1	1	1	1	1	1		
<b>Pensione Boutique Hotel</b>										
Double room			5	10	11	12	13	13	1	
Shoobox			7	12	13	13	13	13	2	1
Twin room			1	4	3	2	2	2		
<b>Rendezvous Grand Hotel</b>										
Superior room	3	3	4	5	5	5	5	5	3	3
<b>Vibe Savoy</b>										
Guest room		1	4	8	8	7	7	6		
<b>GRAND TOTAL ROOMS</b>	<b>5</b>	<b>8</b>	<b>42</b>	<b>71</b>	<b>73</b>	<b>73</b>	<b>71</b>	<b>70</b>	<b>12</b>	<b>6</b>

## AUDIOVISUAL EQUIPMENT AND SERVICE

Matthew McNeil was hired as the technical director for the congress and he oversaw all the audiovisual staff provided by the Melbourne Convention and Exhibition Centre. The MCG also supplied Matthew with an audiovisual technician to assist with the running of the off-site gala dinner.

Before the event MCI Australia was responsible for gathering and collating speaker requirements and providing a detailed written brief to the technical director. Onsite, the technical director briefed technicians and monitored operations.

The session rooms featured a single screen, 16:9 ratio projection system with suitable projectors to match the size of the screen. The plenary room featured two screens, 16:9 ratio projection system with suitable projectors to match the size of the screen.

There was a speaker's support room throughout the congress, with the technical director and MCI Australia serving as speaker access points. Speakers were able to review their presentations in their session rooms prior to their sessions.

## **SOCIAL PROGRAM**

The congress social program included a welcome reception and congress dinner.

### **Welcome reception**

Venue: Level one foyer, Melbourne Convention Centre  
Date: Sunday 09 August 2015  
Time: 1700 – 1900 hours  
Ticket cost: Included in selected registration packages

Beer, wine, champagne and soft drinks were served along with a selection of hot and cold canapés.

### **Congress gala dinner**

Venue: Peninsula at Atlantic  
Date: Tuesday 11 August 2015  
Time: 1900 – 2300 hours

## **CONGRESS MANAGEMENT AND GUEST SERVICES**

In addition to managing the speakers, sponsorship sales and management, accounting, venue, and other key aspects of the congress, MCI Australia was also responsible for delegate registration. As registrations were processed, individual confirmation letters were automatically generated via email. Delegate details were continuously updated in the event database enabling registration and social function attendance numbers to be determined at any time. MCI Australia also provided onsite event management including delegate registration, overseeing all venue, program, social, and audio visual aspects.

Registration was conducted in the entrance to the trade show in the foyer. This was the key point of contact for delegates wishing to register, purchase additional function tickets or to make general enquiries.

MCI Australia staff attended the registration office at the following times:

Sunday 9 August 2015	1500–1800 hours
Monday 10 August 2015	0730–1700 hours
Tuesday 11 August 2015	0730–1700 hours
Wednesday 12 August 2015	0730–1700 hours
Thursday 13 August 2015	0730–1700 hours
Friday 14 August 2015	0730–1700 hours



# IEA 2015 Congress Program

Whilst we are endeavouring to ensure that each session has an allocated chairperson present, if you are the first scheduled presenter in a session, and the session chair is absent for whatever reason, please start on time, keep to program slots of 15mins, and assume the role of chair until the session chair arrives.

## Sunday 9 August 2015

1800–2000	Welcome reception	Level 1 foyer
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## Monday 10 August 2015

0730–1700	Registration desk open Exhibition open													
0900–1040	Chairperson: David Caple  Opening ceremony  Is too much sitting a health hazard? <b>Professor David Dunstan, Baker IDI Heart and Diabetes Institute, Melbourne</b>													
1040 –1100	Morning tea													
	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203
1100–1230	Activity Theories for Work Analysis and Design – Design and Change Part I	Ergonomics in Design – Ergonomic Design Process and evaluation	Gender and Work – Gender, Work and Health	Forestry/ Fire/ Fishing Symposium Part I	Psychophysiology in Ergonomics	Organisation Design and Management – Macro-ergonomics Strategies	Anthropometry	Affective Design and EQUID panel: Emotional and Ergonomic Quality in Product Design and Development	Human Simulation and Virtual Environments	MSD Symposium - Towards Better Workplace Risk Management Part I	MSD Symposium – Mobile Device Use Part I	Safety and Health	Transport Ergonomics and Human Factors	Safety and Health
Chairperson	Francisco Duarte	Rachel Dykes	Rima Habib	Marion Edwin Dave Moore	Shinji Miyake & Yuzo Takahashi	Gitte Lindgaard	Bruce Bradtmiller	Martin Helander & Peter Hancock	Sascha Wischniewski & Thomas Alexander	Wendy Macdonald & Jodi Oakman	Grace Szeto & Leon Straker	Karl Bridges	Dave Moore	Margaret Cook
	Analyze professional transitions at work in the conduct of a project to achieve Demand Side Management (DSM) <b>Pascal Beguin</b>	User's Capabilities and Limitations Identification in Design Process <b>Alejandro Rodea Chavez</b>	A Close Up - Gender-critical research on organization, leadership and ergonomics <b>Annika Vanje</b>	Workforce Sustainability in the forestry sector: The Chilean case <b>Felipe Meyer</b>  Technological advances in the analysis of work in dangerous environments: tree felling and rural fire fighting (video presentation) <b>Richard Parker</b>	Adequate hip rotation reduces physical load on the trunk and improves quality of work during micro-parts assembly <b>Yuzo Takahashi</b>	Management across distances - how to ensure performance and employee well-being <b>Christine Ipsen</b>	A Preliminary Anthropometry Standard for Australian Army Equipment Evaluation <b>Mark Edwards</b>	Pleasure: goal or by-product of optimal design? <b>Peter Hancock</b>	Introducing ergonomics visualisation and simulation for exploring design problems and solutions in workstation design on ships <b>Mikael Blome</b>	Requirements for more effective workplace risk management of musculoskeletal disorders <b>Wendy Macdonald</b>	Cumulative exposure to mobile device use and association with MSD <b>Grace Szeto</b>	Preferable illuminance under LED lighting for migraineurs aiming to relax <b>Akari Kagimoto</b>	Effect of Automotive Head-Up Display (HUD) Imagery Location on Driver Preference Associated with Use of Scrolling List While Driving <b>Juhee Park</b>	Hand-Arm Vibration Assessment Using Exposure Prediction Models: A Systematic Review <b>April Liu</b>
	The use of parameters like principle of the innovation <b>Angela Patricia Cubillos</b>	Overcoming the challenges of integration of Human-centred Design within the Naval Architecture ship design process <b>Linda De Vries</b>	Effect of carrying headload on the physiological parameters of women <b>Aprajita Kumari</b>		Judgment of perceived exertion by static and dynamic facial expression <b>Ding Hau Huang</b>	Business readiness for a sense-making approach <b>Elizabeth Smith</b>	Scoping Analyses for the Anthropometric Survey of the Royal Australian Navy (ASRAN) <b>Alistair Furnell</b>	Emotional Intent <b>Martin Helander</b>	Social interaction simulators for the increase in human reliability in the design of new plants <b>Venetia Santos</b>	Health related work productivity loss in young Australian workers <b>Su Mon Kyaw-Myint</b>	Clinical features of musculoskeletal disorders due to hand-held devices <b>Deepak Sharan</b>	The Systems of communication in cabin for heavy trucks drivers. Usability study <b>Juan Alberto Castillo</b>	Using population models to validate Platzer's methodology for overcoming vehicle blind spots <b>Matt Parkinson</b>	Ergonomics analysis in operators of electric power control centers: proposed methodology and cases in Portugal and Brazil <b>Miguel Melo</b>

Monday 10 August 2015 cont...

	Designing for transition in agriculture: addressing the gap between design and innovation <b>Marianne Cerf</b>	Evaluating vibrotactile recognition abilities of two-point threshold and line thickness by using a smart phone <b>Ray Lin</b>	Rethinking potential connection between gender, work- and family life and how to link the emerging reasoning to well-being <b>Susanne Gustafsson</b>	Beyond the fire: Fluctuating workload and its relations to the psychological health of firefighters in Quebec (Video presentation) <b>Maude Villeneuve</b>  <b>Short discussion</b>	Comparison of Borg- and Facial pictorial-RPE for perceived exertion <b>Ding Hau Huang</b>		Anthropometric Change in the US Army 1988-2012: Implications for Design <b>Brad Bradtmiller</b>	Citarasa Engineering <b>Halimahtun Khalid</b>	Experiment on the impression of "tou-no-ie"™ by takamitsu azuma for the resolution of a narrow site house <b>Michiko Ohkura</b>	Successful Performance: share our lessons learnt rolling out participative ergonomics program to reduce manual task injuries in Australian workplaces <b>Nita Maynard</b>	Texting on mobile phone and musculoskeletal symptoms. A 5 years cohort study <b>Ewa Gustafsson</b>	New technologies and safety in radiotherapy: study of appropriation during training <b>Sarah Carminati</b>	Lead me the right way?! The impact of position accuracy of augmented reality navigation arrows in a contact analog head-up display on driving performance, workload, and usability <b>Klaus Bengler</b>	Virtual reality based ergonomic risk evaluation of welding tasks <b>Azizur Rahman</b>
	Future Operating Concept Development: A Further Application of Cognitive Work Analysis Beyond Human Factors and Engineering <b>Alanna Treadwell</b>	Experimental study optimized interface displays of navigation information system <b>Chuan Wang</b>	Gender division of labour on cattle farms and wmsd prevention strategies <b>Sandrine Caroly</b>	United States Commercial Fishing Fatalities - Preventing the "Deadliest Catch" 2000-2013 <b>Jennifer Lincoln</b>  The use of personal flotation devises in the Northeast lobster fishing industry: An examination of the decision making process <b>Jennifer Lincoln</b>	Cognitive Inhibition and the Interaction between Physical Load and Information Presentation Modality <b>Carl Pankok Jr</b>		A three-dimensional shape database from a large-scale anthropometric survey <b>Peng Li</b>	Product-Behavior Targetting <b>Rosemary Seva</b>	A study of presence and recognition on impacting the elder consumer behavior in 3D virtual store <b>Cheng-Li Liu</b>	Leadership in major contractors: Preventing sprain and strain injuries <b>Deidre Rutherford</b>	Cervical and forearm muscle activity in using multitouch devices in different positions and performing different tasks <b>Graze Szeto</b>	Designing a Prototype Multi-Purpose Trauma Bed Attachment <b>Shanqing Yin</b>	Serendipity in Simulation: Building Environmentally Valid Driving Distraction Evaluations of Google Glass™ and an Android™ Smartphone <b>Ben Sawyer</b>	Requirements to assess physical work-ability of production workers in manufacturing industry <b>Dorothee Mueglich</b>
	Designing for Adaptation: An Integrated Approach to Sociotechnical Systems Design based on Cognitive Work Analysis <b>Neelam Naikar</b>	User thermal response to simulated tablet computer surface <b>Han Zhang</b>	The changing status of Syrian women migrant farm workers: from seasonal worker to refugee and worker <b>Rima Habib</b>		Relations between the flight skills on eye-movement indicator of pilot <b>Hongpeng Li</b>			Ergonomics Quality in Design <b>Ralph Bruder</b>	Virtual Verification of Human Robot Collaboration in Truck Tyres Assembly <b>Lars Hanson</b>	Musculoskeletal disorders in residential construction: what builders do to prevent them <b>David Tappin</b>	A Comparison of Muscle Activity when Using Multitouch Phone for Texting among Symptomatic and Asymptomatic Young People <b>Yanfei Xie</b>		Understanding the multitask process of eating while driving and its potential effect on driving performance <b>Swantje Zschoernack</b>	Developing Exposure Prediction Models for Occupational Hand-Arm Vibration Exposure Using Administrative Data - A Cost-Effective Method of Hand-Arm Vibration Assessment <b>April Liu</b>
	The evolution of Brazilian FPSO material handling systems <b>Mateus Abracado</b>	The Effect of Website Information on User Purchasing Cognition <b>Tsung-Ling Hsieh</b>							Interpersonal distance effects on trust relationships in human-robot interaction <b>Tracy Sanders</b>					Kinematic and electromyographic assessment of upper limb repetitive movements in an artisanal pastry workshop <b>Alessio Silveti</b>
1230-1330	HFESA meeting with the Human Factors and Ergonomics Society of Malaysia													Room 108
1230-1330	Lunch													Level 1 foyer

Monday 10 August 2015 cont...

Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203
1330-1500	Activity Theories for Work Analysis and Design – Design and Change Part II	Prospects for effective worker participation in occupational health and safety management Symposium Part I	Prospective Ergonomics: Future Products, Services, and Systems Symposium Part I	Forestry/ Fire/ Fishing Symposium Part II	Environmental and Work-Related Risks in Agriculture	Organisational Design and Management – Management of Innovation	Anthropometry	Affective Design – Aspects of Emotional Design	Human Simulation and Virtual Environments	MSD Symposium - Towards Better Workplace Risk Management Part II	MSD Symposium – Mobile Device Use Part II	Healthcare Ergonomics – risk assessment	Transport Ergonomics and Human Factors	Safety and Health
Chairperson	Valerie Pueyo	Kirsten Olsen	Eric Brangier	Marion Edwin Dave Moore	Stefan Pinzke	Matthias Goebel	Johan Molenbroek & Daisy Veitch	Rosemary Seva	Thomas Alexander & Gunther Paul	Wendy Macdonald & Jodi Oakman	Grace Szeto & Leon Straker	Jennifer Long & Melissa Baysari		Deepak Sharan
	Effects of Wedge Design, Interaction Mode, and Viewing Perspective on User Wayfinding Behavior within a 3D Virtual Environment <b>Chien-Hsiung Chen</b>	Cooperatives: Worker Participation Writ Large <b>Dave Moore</b>	Prospective Ergonomics for the Design of Future Artefacts: recommendations and methods <b>Jean-Marc Robert</b>	Protecting Fishermen from Hazards on Deck: Winch Entanglements' Research to Practice <b>Jennifer Lincoln</b>	Perceived harmful factors in agricultural work environments in Finland <b>Merja Perkio-Makela</b>	Employee participation in product innovation: Crossing organizational boundaries by alignment of work systems <b>Ole Broberg</b>	Analysis of a 3D Anthropometric Data Set of Children for Design Applications <b>Lya Goto</b>	Insect Behavior as Source of Inspiration for Designing Intuitive Human-Computer Interaction <b>Takashi Toriizuka</b>	Computer-based haptic control assessment of 3-D manipulation and drawing skill with analytical application of machining metrics <b>David Kaber</b>	Improving the implementation of ergonomics advice - a Stage of Change approach <b>Paul Rothmore</b>	Muscle Functional Connectivity During Text Entry using Personal Computers and Smart-Phones <b>Pascal Madeleine</b>	Use and views of an electronic risk assessment tool for venous thromboembolism - a case for user-centred design <b>Melissa Baysari</b>	Headway distances of elderly drivers: Longitudinal study over one decade <b>Toshihisa Sato</b>	Ergonomic Workplace Analysis: How to select the best tool? <b>Jerrish A Jose Deepak Sharan</b>
	Mutual learning in design process, when designers-for-use meet designers-in-use <b>Sarah Couillaud</b>	Professionalization of occupational health and safety management in Danish companies and the effects on worker participation <b>Rikke Seim</b>	Prospective analysis of innovative uses for tablets in classrooms <b>Cedric Knibbe</b>	Exploratory (multi) cost benefit analysis in New Zealand's fishing industry <b>Dave Moore</b>	A systematic review about work-related problems incurred by agricultural pilots <b>Mateus Zanatta</b>	Terminology Based Visualization of Interfaces in Interdisciplinary Research Networks <b>Thomas Thiele</b>	A pilot study of three-dimensional equipped anthropometry for workspace design <b>Monica L.H. Jones</b>	Comparative analysis of emotional impression evaluations of rooms with different windows between scale-model condition and real-scale virtual condition <b>Michiko Ohkura</b>	Evaluation of Visual Fatigue and Sense of Presence for CAVE-like multi-projection display <b>Tetsuri Inoue</b>	The Role of Public Health in the Prevention of Work-related Musculoskeletal Disorders (WMSD): Implementation Evaluation of a Province-wide Public Health Program for the Prevention of WMSD <b>Susan Stock</b>	Influence of posture awareness signals to the upper extremity posture and muscular loads during mobile device use <b>Daisuke Hashimoto</b>	Nurse cognition of medication adverse events <b>Chian-Huei Chen</b>	Investigation of Take-Over Performance of Driving Tasks by the Driver due to System Failure of Semi-Automated and Assisted Driving <b>Matthias Pfromm</b>	
	Experience feedback of an iterative evaluation process as part of a design project to support a Human Factors engineering program in the nuclear field <b>Cecilia De La Garza</b>	Some pieces for the worker participation puzzle from New Zealand <b>Kirsten Olsen</b>	Case study: A prospective ergonomics approach to R&D at CAE <b>Marie-Claude Prévost</b>	Dehydration in New Zealand fishing vessel crews <b>Marion Edwin</b>	Effect of head gear on body thermal responses at different WBGT conditions for agricultural workers in Western India <b>Abhay Kumar Mehta</b>	Situation awareness in production planning and scheduling <b>Martina Berglund</b>	Statistical Prediction of Body Landmark Locations on Surface Scans <b>Matthew Reed</b>	The effect of product style on consumer satisfaction: Regulation by product involvement <b>Chang GE</b>	Usability of argh! AR-system for on-the-job learning - Usability tests in mixed reality lab <b>Kaj Helin</b>	Implementation of Ergonomics Program (Seven Step-Niosh Approach) to Prevent Musculoskeletal Disorders in a Chemical Company in Chile. Experiences 2009 to 2014 <b>Eduardo Cerda</b>	Tablet virtual key size recommendations based on race and gender <b>Peter Johnson</b>	Developing Medication Safety Training Applications with Software Patients for Human Teams <b>Barrett Caldwell</b>	Smartphone-controlled Methods of Unmanned Vehicular Parking <b>Takeki Ogitsu</b>	
	New perspectives in intervention and design practices transformation: a designer work analysis, by an occupational psychologist and an engineer <b>Edwige Quillerou-Grivot</b>		Prospective ergonomics in the ideation of hydrogen energy usages <b>Eric Brangier</b>	Artisan fishing with rafts: relation between raftsmen activity and fish quality <b>Maria Christine Weba Saldanha</b>	Nature and impact of agricultural accidents in eastern region of India <b>P Kampurath</b>		Body Models of Occupational Groups for Special Vehicle Design Applications <b>Hongwei Hsiao</b>		Designing a virtual environment for professional training from an activity framework. Dialog between ergonomists and computer scientists <b>Catherine Delgoulet</b>	Psychosocial factors and musculoskeletal disorders – the challenges for the Victorian Regulator <b>Alison Gembarovski</b>	Towards a framework for international research collaboration to address research gaps on ergonomics issues of mobile touch screen device use <b>Leon Straker</b>	Ergonomics Approach: Prescription error prevention for the healthcare industry <b>Chihwei Lu</b>	Voice Control Interfaces: When, how and why they are used by drivers in Australia <b>Nurul Ikham Ibrahim</b>	



Monday 10 August 2015 cont...

	Transferring knowledge from operations to the design and optimization of work systems: bridging the offshore/onshore gap <b>Carolina Conceição</b>	Prospects for effective worker participation in occupational health and safety management Symposium Part I <b>Continued</b>	Prospective Ergonomics : Future Products, Services, and Systems Symposium Part I <b>Continued</b>	Forestry/ Fire/ Fishing Symposium Part II <b>Continued</b>			Virtual anthropometrics - Synthesis and visualisation of virtual anthropometric populations for product and manufacturing engineering <b>Sascha Wischniewski</b>			<b>Panel:</b> Requirements for better workplace risk management  <b>Wendy Macdonald</b>  <b>Nita Maynard</b>  <b>Deirdre Rutherford</b>	Movement, posture and muscle activity in young children using tablet computers <b>Leon Straker</b>	A multi-dimensional study on the relationship of emotional intelligence to the multitasking ability of nursing students: a structural equation modeling approach <b>Alma Maria Jennifer Gutierrez</b>	Engagement in distracting tasks: Subjective and physiological responses to interesting and boring information and the implications for driving performance <b>William Horrey</b>	Ergonomic Workplace Analysis: How to select the best tool? <b>Continued</b>
	Supporting energy transitions. Project management as a learning device and accompanying professional transitions <b>Valerie Pueyo &amp; Pascal Beguin</b>						The application of 3D scanning as an educational challenge <b>Johan Molenbroek</b>			<b>Paul Rothmore</b>  <b>Susan Stock</b>  <b>Eduardo Cerda</b>  <b>Alison Gembarovski</b>			An investigation on the optimal positioning of in-vehicle side-view displays: a comparison of five alternative display arrangements <b>Donghyun Beck</b>	
1500–1530	Afternoon tea													Level 1 foyer
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203
1530–1700	Organisational Design and Management - Same rules, different games Symposium	Prospects for effective worker participation in occupational health and safety management Symposium Part II	Prospective Ergonomics : Future Products, Services, and Systems Symposium Part II	Ergonomics in Design - symposium	Psychophysiology in Ergonomics	Ergonomics in Design Workshop	Organisational Design and Management – Applied Concepts	Gender and Work – Gender, Risk and Ergonomic Interventions	Ergonomics in Design - Teaching ergonomics and human factors with a systems perspective symposium	MSD CASE STUDIES - Physically Demanding Work	Healthcare Ergonomics - workshop	Healthcare Ergonomics	Active offices symposium: Can office work be designed to be less sedentary and more health promoting?	Mining symposium - Human centred design of mining equipment
Chairperson	Andrea Shaw	Kirsten Olsen	Eric Brangier	Wendy Elford	Mieko Ohsuga & Shinji Miyake	Lynn McAtamney	Jan Dul & Dennis Coelho	Sandrine Caroly	Martina Berglund	David Rempel	Melissa Baysari	Deepak Sharan	Andreas Holtermann & Leon Straker	Robin Burgess-Limerick
	Same rules, different games - Designing effective regulatory systems across national boundaries Symposium <b>Andrea Shaw</b>	The role of Worker Participation in deploying Occupational Health Services <b>John Sjostrom</b>  The Goal Equivalence Model and Communication for Worker Participation <b>Roland Akselsson</b>  Champions in workplace development <b>Sisse Gron</b>	Co-construction of sustainable collaborative practices in a smart neighbourhood: a methodological approach for analysing the future sharing of resources <b>Chloe Le Bail</b>	Using (near) real time data to bring ergonomics into a collaborative design process <b>Wendy Elford</b>	Estimation of driver mental states using autonomic indices and facial expressions <b>Yukiyo Kuriyagawa</b>	Applying ergonomics and evidence based evaluation in the design of a large organisation offices based on activity based work (ABW) principles <b>Lynn McAtamney</b>	Integration of macro, meso, and micro ergonomics for delivering High-Quality Human Factors and Ergonomics (HQ-HFE) for business performance <b>Jan Dul</b>	Effect of lifting two different weights for female workers in a transfer of boxes during a palletizing task <b>Andre Plamondon</b>	Education into the future - Human factors courses with systems perspectives <b>Asa Ek</b>  Teaching design students to reflect on ergonomics design for all user groups in society <b>Anna-Lisa Osvalder</b>	Job demand and human-machine characteristics on musculoskeletal pain among female weavers in India <b>Krishna Dewangan</b>	A workshop on how to use the Work Observation Method by Activity Timing (WOMBAT) tool - An easy and precise way to quantify patterns of work and communication <b>Melissa Baysari</b>	Risk assessment tools in healthcare ergonomics <b>Jerrish A Jose Deepak Sharan</b>	Interventions to reduce sedentary behaviour and increase physical activity during productive work - Preliminary results of a systematic review <b>Maaïke Huysmans</b>  Can light under-desk cycling enhance cognitive performance during prolonged sedentary work? <b>Richelle Baker</b>	Human Centred Design for Mining Equipment and New Technology <b>Tim Horberry</b>
					Changes in the autonomic nervous system between normal sleep state and sleep deprivation state while driving <b>Byung-Chan Min</b>		Expanding representations of individuals and their interactions within work system models <b>Rupa Valdez</b>	Gender differences in selecting good practices in hospital cleaning work <b>Silvana Salerno</b>		Strategic prevention of musculoskeletal disorders in elderly care <b>Rikke Seim</b>				Operability and Maintainability Technique Case Studies <b>Tristan Cooke</b>

Monday 10 August 2015 cont...

	Same rules, different games - Designing effective regulatory systems across national boundaries Symposium <b>Continued</b>	Discussion of effective worker participation in Occupational health and safety management <b>Continued</b>	Collaborative creativity in prospective design activities: An exploratory study of the influence of static vs dynamic personas in a virtual environment <b>Nathalie Bonnardel</b>  Expanding Ergonomics: Prospects and Pitfalls <b>Paulo Victor Rodrigues De Carvalho</b>	Using (near) real time data to bring ergonomics into a collaborative design process <b>Continued</b>	Effects of a sensory intake task on heart rate and heart rate variability <b>Hiroyuki Kuraoka</b>	Applying ergonomics and evidence based evaluation in the design of a large organisation offices based on activity based work (ABW) principles <b>Continued</b>	Designing work organization based on "occupational"• collectives and "inter-occupational"• relations: methodological implications of ergonomic interventions to prevent psychosocial disorders <b>Sandrine Caroly</b>	The work of outsourced cleaning agents in a public university <b>Sandra Gemma</b>	Understanding the user beyond "common sense" teaching product ergonomics to design engineering students <b>Torbjorn Andersson</b>  Ebooks as course literature in ergonomics and human factors <b>Lars-Ola Bligard</b>  Emphasizing the interactive systems view in a masters program in Ergonomics and HTO <b>Martina Berglund</b>	An intervention by VWA (Regulator of OH&S and Workers Compensation in Victoria, Australia) in the Wholesale Storage Industry to reduce injuries particularly those associated with manual order picking <b>Alan Duffett</b>	A workshop on how to use the Work Observation Method by Activity Timing (WOMBAT) tool - An easy and precise way to quantify patterns of work and communication <b>Continued</b>	Risk assessment tools in healthcare ergonomics <b>Continued</b>	Reducing prolonged sitting in the office workplace: The Stand Up Australia program of research <b>David Dunstan</b>  Can a multi-component intervention reduce sitting time among office workers? A randomized controlled workplace trial <b>Andreas Holtermann</b>  Project Energise: Using participatory approaches and real time prompts to reduce occupational sitting and increase physical activity in office workers <b>Nicholas Gilson</b>  Sedentary time, physical activity and musculoskeletal symptoms of office workers - an exploration of exposure patterns and impacts from participatory workplace interventions <b>Leon Straker</b>  Musculoskeletal pain is a barrier for sedentary behaviour interventions <b>Pieter Coenen</b>  Employer perceptions of creating activity-promoting workspaces <b>Duncan Young</b>	The use of simulation for the human-centred design of underground coal mine bolting machines <b>Robin Burgess-Limerick</b>
					E-learning System with Real-time Feedback from Eye Tracking <b>Michiko Ohkura</b>		Does an ergonomist act as a coach? <b>Ernst A.P. Koningsveld</b>	The relationship of female workers to nanomaterial-related risks: how do requests for ergonomic intervention emerge? <b>Sandrine Caroly</b>		Job-specific functional assessment associated with reduction in musculoskeletal injuries in building security workers <b>Jennifer Legge</b>			Project Energise: Using participatory approaches and real time prompts to reduce occupational sitting and increase physical activity in office workers <b>Nicholas Gilson</b>	The Design and Use of Automated Control Systems; where does the human operator optimally fit in? State of the Literature and Proposed Research <b>Joel Haight</b>
					The effect of combining physical and cognitive loads on motor variability in a standardized repetitive precision task <b>Divya Srinivasan</b>		Comparison of Association among Ergonomic and Psychosocial Factors in Office and Field Utility Jobs <b>Denis A. Coelho</b>	Using an ergonomic lens to foster Integrated Prevention and Gender equity <b>Benedicte Calvert</b>		Job-specific pre-employment functional capacity assessments predict musculoskeletal injury risk and 'window of opportunity' in healthy male coal mine workers <b>Jennifer Legge</b>			Sedentary time, physical activity and musculoskeletal symptoms of office workers - an exploration of exposure patterns and impacts from participatory workplace interventions <b>Leon Straker</b>	Symposium discussion
							Building Taxonomy Knowledge "Systemic Ergonomics Intervention Work" - a Product Joining up practice with theory in an Industrially Developing Country and its 'Meta-Reflection' <b>Faramarz Helali</b>			The Back Pains of Pet Grooming <b>Rosemary Seva</b>			Musculoskeletal pain is a barrier for sedentary behaviour interventions <b>Pieter Coenen</b>	

## Monday 10 August 2015 cont...

	Same rules, different games - Designing effective regulatory systems across national boundaries Symposium <b>Continued</b>	Discussion of effective worker participation in Occupational health and safety management <b>Continued</b>	Prospective Ergonomics : Future Products, Services, and Systems Symposium Part II <b>Continued</b>	Using (near) real time data to bring ergonomics into a collaborative design process <b>Continued</b>		Applying ergonomics and evidence based evaluation in the design of a large organisation offices based on activity based work (ABW) principles <b>Continued</b>	Organisational Design and Management – Applied Concepts <b>Continued</b>		Ergonomics in Design - Teaching ergonomics and human factors with a systems perspective symposium <b>Continued</b>		A workshop on how to use the Work Observation Method by Activity Timing (WOMBAT) tool - An easy and precise way to quantify patterns of work and communication <b>Continued</b>	Risk assessment tools in healthcare ergonomics <b>Continued</b>	The emerging issue of excessive occupational sedentary exposure - The policy response <b>Janice Batt &amp; Donna Lee</b>	Symposium discussion <b>Continued</b>
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203
1700–1830	ATWAD TC Meeting		HFESA AGM	FFF Meeting				Affective Design TC Meeting	HSVE TC Meeting					
1830–2000	HFESA transig meeting <span style="float: right;">The Chloe Room at the Young &amp; Jackson</span>													
	Student group dinner													

## Tuesday 11 August 2015

0730–1700	Registration desk open Exhibition open													
0730–0830	Design SIG													Café Sweethearts
0900–0945	Chairperson: Dave Moore  Reaching out to the people on their uplift and wellbeing through appropriate ergonomic design intervention on the backdrop of education, technology, communication and culture <b>Professor Gaur G Ray, Indian Institute of Technology Bombay (IITB)</b>													
0945–1015	Morning tea													Level 1 foyer
1015–1145	Chairperson: Christine Aickin and Dave Moore  Awards presentations Liberty Mutual award presentations KU Smith award presentations													
1200–1230	HFESA CPE meeting													Room 108
1145–1245	Lunch													
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203
1245–1415	Three minute thesis	Ergonomics in Design – Interface Design	Activity Theories for Work Analysis and Design – Development, organisation & efficiency	Visual Ergonomics – Cognitive Visual Ergonomics	ASEAN Ergonomics – Southeast Asian Ergonomics Checkpoints for Indoor Workplaces	Organisational Design and Management – Advanced Occupational Safety and Health Management	Ergonomics in Manufacturing	ODAM / Healthcare Ergonomics – Ergonomics and Creativity in time of the economic crisis Towards IEA2018 Symposium Part I	Process Control & Professional Issues	Human Simulation and Virtual Environments	MSD - Analysis Methods	MSD WORKSHOP - Participative Ergonomics for Manual Tasks Risk Management Part I (maximum of 35 attendees)	International cooperation of certification accreditation professional ergonomists Part I	Safety and Health
Chairperson	Jodi Oakman	Gitte Lindgaard	Pascal Beguin	Roger Hall	Halimahtun Khalid & Kazutaka Kogi	Per Lindberg & Ernst Koningsveld	Kim Monroe	Sara Albolino & Louise Whitby	Marion Edwin	Xuguang Wang & Gunther Paul	Paul Rothmore	Robin Burgess-Limerick & Gary Dennis	Shin'ichi Fukuzumi	Rachel Dykes
	Three minute thesis presentations	Electric car instrument panel interface design based on ergonomics <b>Chang Ge</b>	Applying WISH Programme to Improve Productivity of Home Industry <b>Luciana Dewi</b>	Conveying opposite system states through color - Japanese population stereotypes of hue-concept associations <b>Takashi Toriizuka</b>	Computerised Offices <b>Jennifer Gutierrez</b>	Preventing and managing unhealthy workplace behaviour: A perspective of an Australian safety and health regulatory authority <b>Helen Mott</b>	A new concept to support the ergonomic intervention process based on an analysis of working postures with OWAS <b>Christopher Brandl</b>	Innovative practices for training in healthcare: impact on patient safety and patients involvement to be included in: the symposium Ergonomics and Creativity in time of the economic crisis Towards IEA2018 <b>Sara Albolino</b>	Argumentative processes when managing ambiguous situations <b>Cecilia De La Garza</b>	A Biometric Evaluation towards Validation of a Computerized Psychomotor Test for Motor Skill Training <b>David Kaber</b>	Pooling sub-task physical exposure data to study work-related carpal tunnel syndrome and epicondylitis <b>Stephen Bao</b>	Participative Ergonomics for Manual Tasks Risk Management <b>Robin Burgess-Limerick</b>	Development and Review of the Maintenance of Certification program for HFESA <b>Trudy Tilbury</b>  New Core Competencies for BCPE Certification in USA <b>Carol Stuart-Buttle</b>	Drivers with disabilities using modified vehicles: demographics, patterns of use and road safety issues for identifying requirements for targeted interventions <b>Rwth Stuckey</b>

Three minute thesis presentations <b>Continued</b>	A Study on the Design of Regulatory Road Signs using Ergonomic Principles of Design and Comprehension <b>Jazmin Tangsoc</b>	Work, Space and Organisation, a performance issue <b>Nadia Heddad</b>	Reducing Complexity with Simplicity - Usability Methods for Industry 4.0 <b>Andre Calero Valdez</b>	Laboratories and Clean Rooms <b>Jason Wong</b>	Occupational Health Services - a study in the Swedish public sector; municipalities and county councils <b>Lisa Schmidt</b>	Development and testing of screening approach for evaluation of forceful operations in industry <b>Marius Oberle</b>	Human factors in Design driven innovation for healthcare <b>Richard Goosens</b>  Innovation in Design <b>Francesca Tosi</b>	Human Factors Guidelines for CCTV-system design <b>Ruud Pikaar</b>	Domain-specific video-game play as training for complex decision making in team-based sport <b>Lucy Parrington</b>	Occupational epidemiology: six guiding principles for future studies of physical work load and its effects on health and performance <b>Svend Erik Mathiassen</b>	Participative Ergonomics for Manual Tasks Risk Management <b>Continued</b>	Ten years of experience on ergonomics certification <b>Jose Orlando Gomes</b>  Canadian Educational Requirements for Ergonomics Certification <b>Jim Potvin</b>  The Centre for Registration of European Ergonomists CREE <b>Bernard Dugue</b>	Incorrect Beliefs about Start/Stop Ignition Systems in Automotive Vehicles <b>Michael Wogalter</b>
	An experimental study about the offered form of anticipating information that supports resilient operations: The aim at application to interface design <b>Keisuke Yao</b>	Care activity centered on patient empowerment <b>Andrew Thatcher</b>	We Feel: Taking the emotional pulse of the world <b>Cecile Paris</b>	Manufacturing floor <b>Shamsul Bahari Mohd Tamrin</b>	The goda-intervention study for healthy workplaces and its influence on organizational communication skills <b>Per Lindberg</b>	Forward bending of the trunk during work and leisure using Exposure Variation Analysis (EVA) among male manufacturing workers in Denmark <b>Morten Villumsen</b>	Collaborative spaces: innovation, regulation and competition <b>Sylvain Biquand</b>  Patient and staff safety: integrating the silos <b>Louise Whitby</b>	Assessing Diagnostic Expertise in Practice <b>Mark Wiggins</b>	The Effect of Secondary Tasks on the perceived Seating Discomfort <b>Klaus Bengler</b>	Prediction of trunk and shoulder postures in paper mill workers by statistical modelling - an empirical validation study <b>Marine Heiden</b>			Investigation of Road-crossing Safety Before and After Training for patient with Parkinson's disease <b>Yang-Kun Ou</b>
	Designing memorable tactile patterns for older adults <b>Daiji Kobayashi</b>	Activity of organization: effect on health construction and on performance development Case of SOHO construction industries <b>Celine Lefrancois</b>	Modeling of call center operators performance by ANFIS expert system <b>Zulquernain Mallick</b>	Process Control rooms <b>Halimahtun Khalid</b>	WIKIOSH - to develop learning networks about safety and health in the engineering sector <b>Lena Nord Nilsson</b>	Assessment of a Transfer Pick Pallet on Lower Back Biomechanics <b>Carl Pankok Jr</b>	Innovation and creativity in Design for All <b>Isabella Steffan</b>  Developing Innovative Partnerships to Reduce Deaths from All-Terrain Vehicle use in Agricultural Operations <b>David Gilkey</b>	Effect of linearity regulation on ergonomic education sustainability in Udayana University, Denpasar Bali <b>I Putu Gede Adiatmika</b>	An examination of platform and train passenger boarding, alighting and dispersal through innovative 3D agent based modelling techniques <b>Selby Coxon</b>	Differences in the accuracy of self-reported task durations between workers with and without acute non-specific low-back pain <b>Jean Pulido</b>			A Constrained Review of Safety Analyses of Electronic Medical Record Use and Recommendations for Enhanced Design <b>David Kaber</b>
	Designing a single-configuration physical product for population on the basis of user preference data <b>Jaemoon Jung</b>	Do ergonomic and education interventions reduce prolonged occupational sitting? A randomised controlled trial <b>Martin Mackey</b>		Medical Clinics <b>Putu Gede Adiatmika</b>		Are work pace, overtime, job rotation or secondary employment associated with CTS and epicondylitis? <b>Andrew Merryweather</b>	Ergonomics and Economics for Safety <b>Giulio Toccafondi</b>	Ergonomics Journal Abstracts: Content And Text Analysis From 1994 To 1998 And From 2009 To 2013 <b>Silvana Salerno</b>	Team Mental Model of a Distributed Team in Ship Simulations <b>Joakim Trygg Mansson</b>	Comparison of three different assessments of workplace physical exposures applied to analysis of incident carpal tunnel syndrome <b>Ann Marie Dale</b>			Enabling seamless information exchange: Lessons from implementation of electronic medication administration records in residential aged care facilities <b>Amina Tariq</b>
	From 'Liquid Kitchen' to 'Shared Kitchen': Human Centred Design as strategy for user experience innovation in shared food consumption <b>Alessandra Rinaldi</b>	Eliciting activity: a pathway to real work <b>Laurent Van Belleghem</b>		Security Control Rooms <b>Rosemary Seva</b>		Musculoskeletal disorders in body regions and its associated risk factors among electronics workers in Malaysia <b>Jafri Mohd Rohani</b>			Comparison of three different methods of Virtual Reality Based Therapy and its effect on balance and weight shifting ability of children with cerebral palsy <b>Deepak Sharan</b>	A fatigue failure-based ergonomics assessment tool for low back disorders: The Low Back Cumulative Trauma Index (LBCTI) <b>Sean Gallagher</b>			The Occupational Stress in Dentists: The Challenge of Labour Administration <b>Gilse Ivan Regis Filho</b>

Tuesday 11 August 2015 cont...

Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203
1445-1615	Transport Ergonomics and Human Factors	Ergonomics in Design – Comfort/Discomfort	Activity Theories for Work Analysis and Design – Risk & Disaster	Visual Ergonomics – Physical Visual Ergonomics	ASEAN Ergonomics – Southeast Asian Ergonomics Checkpoints for Outdoor Workplaces	Organisational Design and Management – Ergonomics Implementation	Ergonomics in Manufacturing	ODAM / Healthcare Ergonomics – Ergonomics and Creativity in time of the economic crisis Towards IEA2018 Symposium Part II	Company Case Studies – Discrete Systems	Mining	MSD – Analysis Methods	MSD WORKSHOP - Participative Ergonomics for Manual Tasks Risk Management Part II (maximum of 35 attendees)	International cooperation of certification accreditation professional ergonomists Part II	Safety and Health - Observational Risk Assessment Methods Symposium
Chairperson	Hamish Mackie		Laerte Sznelwar	Magne Helland	Halimahtun Khalid & Kazutaka Kogi	Kirsten Olsen & Patrick Neumann	Rush Green	Sara Albolino & Louise Whitby	Ruud Pikaar	Philippa Dodshon	Stephen Legg	Robin Burgess-Limerick & Gary Dennis	Jose Orlando Gomes	Mikael Forsman
	Cue utilisation and performance in a rail monitoring, vigilance task <b>Sue Brouwers</b>	Ergonomic Portable Gyn-Holder For Birth Process <b>Bernadus Kristyanto</b>	Community solidarity, cooperation and resilience in a disaster situation: an understanding of communitarian ergonomics <b>Paulo Carvalho</b>	Viewing distance and eyestrain symptoms with prolonged viewing of smartphones <b>Jennifer Long</b>	Agriculture <b>Mohamad Fauzi Yahaya</b>	The Ergo-Brand Proposition - Theory and Empirical Evidence for a Differentiation Strategy via Ergonomics <b>Patrick Neumann</b>	Kinematic synergy in a real and a virtual simulated assembly task <b>Afshin Samani</b>	ODAM / Healthcare Ergonomics – Ergonomics and Creativity in time of the economic crisis Towards IEA2018 Symposium Part II	Opening statement <b>Ruud Pikaar</b>	Health and safety issues faced by women engaged in small scale mining in PNG - could a flexible and informal training program improve their quality of life? <b>Danellie Lynas</b>	Methodological limitations at the utilization of RULA and REBA to verification the presence of occupational diseases in supermarket workers <b>Jansen Estrazulas</b>	Participative Ergonomics for Manual Tasks Risk Management <b>Robin Burgess-Limerick</b>	Framework of Education to Promote HCD in Organizations — The Approach of the HCD-Net Educational Program Working Group <b>Hiroko Yasu</b>	Comparisons of six observational methods for risk assessment of repetitive work - results from a consensus assessment <b>Mikael Forsman</b>
	Using cognitive work analysis and the sociotechnical systems approach to improve pedestrian safety at rail level crossings <b>Gemma Read</b>	Reliability and Validity of Seat Interface Pressure to Quantify Seating Comfort in Motorcycles <b>Sai Praveen Velagapudi</b>	Construction of knowledge and development of collective work: training workers of an operational centre for coordination and control of forest fires in Chile <b>Fabiola Maureira</b>	Exploring the impact of incorporating lighting design in universal design processes by means of eye-movement recordings <b>Knut Inge Fostervold</b>	Seaports and Airports <b>Shamsul Bahri</b>	Interactive research - a strategy for ergonomics interventions <b>Jorgen Eklund</b>	The importance of physical assessment to validate virtual simulation assembly tasks scenario <b>Lidia Ghibaudo</b>		Ergonomic improvements go hand in hand with productivity in a logistic environment <b>Dirk Delaruelle</b>	Programs for integrating new workers into Quebec mining companies: formal structure and in-the-field adaptation <b>Elise Ledoux</b>	Semg normalization - a reliability study on females with and without trapezius myalgia <b>Dechristian Franca Barbieri</b>		Certification for Practicing Ergonomist – Quest for Global Standards <b>Venkatesh Balasubramanian</b>	Reliability in twelve ergonomists' three-category risk ratings in ten video recorded work tasks <b>Mikael Forsman</b>
	"Big ergonomics"; designing community streets to optimise usability and public health outcomes <b>Hamish Mackie</b>	An Ergonomic Evaluation of a Philippine Hospital Patient Room <b>Jazmin Tangsoc</b>	Development of a response preparation to application to natural disasters: a study about the strategic management of employee information with the proposal to provide improved resilience of a community in disaster risk in Natal, Rio Grande do Norte, Brazil <b>Eric Lucas Cabral</b>	Visual Fatigue Evaluation of a Glasses-free 3D Handheld Console <b>Po-Hung Lin</b>	Construction <b>Martin Helander</b>	Impediments to knowledge-sharing in a grocery distribution warehouse <b>Gitte Lindgaard</b>	Validation of the Kinect System for Industrial Motion Analysis <b>Andris Freivalds</b>		Ergonomic Evaluation of a U-shaped Assembly System <b>Gert Zuelch</b>	Profiling the features of risk control culture in the NSW mining industry using automated text analysis <b>Heather Jackson</b>	Inter-tester reliability of an observation based ergonomic assessment checklist for computer workers <b>Michelle Pereira</b>		The role of certified professional ergonomist and the positioning in industry in Japan <b>Shin-ichi Fukuzumi</b>	Usability of six observational risk assessment methods <b>Mikael Forsman</b>
													Establishment of professional certification in Ergonomics in an industrially developing country <b>Matthias Goebel</b>	A proposed web-based model for teaching risk assessment methods <b>Per Lindberg</b>
													Human Factors/Ergonomics Certification in New Zealand – 2015 <b>Marion Edwin</b>	

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	Ergonomics improvement in the supply chain. A case study for Nutresa S.A.S <b>Jessica Rasmussen</b>		Alarm management applied to a supervisory system: A process and its results over the activity of work <b>Anderson Lima</b>	Visual Ergonomics Posters – short presentations and discussion	Offshore Operations <b>Vivian Suk Kee Tie</b>	Design of customer reception lobbies to minimise occupational violence risks <b>David Caple</b>	A New Methodology for Modelling Human Work - Evolution of the Process Language MTM towards the Description and Evaluation of Productive and Ergonomic Work Processes Thomas <b>Finsterbusch</b>	Ergonomics and Creativity in time of the economic crisis Towards IEA2018 Symposium Part II <b>Continued</b>	Safe Design of a Parcel Sorting System <b>Stephen Hehir</b>	'Reflections from the Field' - current ergonomic issues associated with Artisanal and Small Scale Mining in Ghana and PNG <b>Danellie Lynas</b>		Participative Ergonomics for Manual Tasks Risk Management <b>Continued</b>	International cooperation of certification accreditation professional ergonomists Part II <b>Continued</b>	Observational Risk Assessment Methods Symposium <b>Continued</b>
				Visual Ergonomics Posters – short presentations and discussion <b>Continued</b>	Roadworks <b>Frederick Tey</b>		Evaluating the accuracy of markerless body tracking for digital ergonomic assessment using consumer electronics <b>Dominik Bonin</b>		Ergonomic risk reduction through participatory ergonomics in wholesale/distribution <b>Tim Severino</b>					
					Ground Transport <b>Frederick Tey</b>		Effects of data glasses on human workload and performance during assembly and disassembly tasks <b>Sabine Theis</b>		Solving manual handling challenges in a busy retail warehouse <b>Francois Steyn</b>					
1615–1745				Visual Ergonomics TC Meeting	SEANES Council Meeting	ACED Council Meeting		Anthropometric Resource Australia SIG (ARASIG)						
1900–2300	Congress gala dinner													Peninsula at Docklands

Wednesday 12 August 2015

0730–1700	Registration desk open Exhibition open														
0900–0945	Chairperson: Michael Regan  Safety-related human factors issues in self-driving cars <b>Dr Trent Victor, Chalmers University of Technology, Sweden</b>														
0945–1015	Morning tea														
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204
1015–1145	Company Case Studies - Interfaces	Ergonomics in Design – Ideas, Concepts & Frameworks	Activity Theories for Work Analysis and Design – Prevention & Participation	Migrant and other at-Risk Populations in Agriculture	Anthropometry	Organisational Design and Management - panel	Ergonomics in Manufacturing	Aerospace HFE – Human Centred Design	Visual Ergonomics Workshop (Maximum 30 pax)	Human Simulation and Virtual Environments	MSD – Return to work	MSD – Multidimensional Approaches	Transport Ergonomics and Human Factors	Safety and Health	Slips, Trips and Falls – Injury Epidemiology
Chairperson	Margo Fraser	Gitte Linaard	Valerie Pueyo	Peter Lundqvist	Matthew Reed	Patrick Waterson	Peregrin Spielholz	Guy Boy & Stephen Legg	Magne Helland	Sudhakar Rajulu & Thomas Alexander	Rwth Stuckey	Roxanne Egeskov		Kris Fraser	Wen-Ruey Chang
	Adopt, Adapt, and Improve: Human Factors Assessment of a Driver Advisory System on a New Zealand Freight Rail Environment <b>Karl Bridges</b>	A framework for defining how acceptable is acceptable: A threshold for subjective data <b>Sheena Care</b>	Taking into account the territorial dimension of work for sustainable work system. The case of waste sorting centers <b>Pascal Béguin</b>	Migrant workers in Swedish agriculture - attitudes, opportunities and challenges <b>Peter Lundqvist</b>	Development of Anthropometric Tools and Technologies for the Design and Testing of Personal Protective Equipment <b>Ziqing Zhuang</b>	Methods and Tools for Macroergonomics: The Next Frontier <b>Patrick Waterson</b>	Integration of Cognitive Task Analysis and Predetermined Time System for Laboratory Task Time Estimation <b>Manida Swangnetr</b>	Onboard Context-Sensitive Information System on commercial aircrafts <b>Wei Tan</b>	Visual Ergonomics Lighting Workshop <b>Hillevi Hemphala and Jennifer Long</b>	Ergonomic assessment of hospital bed moving using DHM Siemens <b>JACK Marisol Quintero Duran</b>	Prognosis of work related musculoskeletal disorders: a systematic review <b>Deepak Sharan</b>	Personal, psychosocial, and biomechanical risk factors for work disability from carpal tunnel syndrome: a pooled prospective study <b>Carisa Harris Adamson</b>	Evaluating physical discomfort associated with prolonged, repetitive use of gesture: a comparison of subjective rating protocols <b>Minseok Son</b>	MPE - Mental Protective Equipment- and workers™ health care <b>Emma Bagnato</b>	Should prevention take an all-round view of occupational accidents triggered by movement disturbance? <b>Sylvie Leclercq</b>

Wednesday 12 August 2015 cont...

Interface design for prognostic asset maintenance on the underground railway <b>Robert Houghton</b>	Development of a concept backpack for carrying school supplies <b>Jansen Estrazulas</b>	The Influence of Organizational Factors on the Processes of Returning and Remaining at Work in the ICU: Contributions of activity ergonomics <b>Laerte Snelwar</b>	Analysis of citrus gathering activity by Tunisian Seasonal workers <b>Andrew Thatcher</b>	Structural Firefighting Glove Sizing and Use <b>Hongwei Hsiao</b>	Methods and Tools for Macroergonomics: The Next Frontier <b>Continued</b>	Software to manage allocation of workers on manufacturing productive units <b>Lidia Ghibaud</b>	Process model for the investigation of human uncertainty during the usage of load bearing systems <b>Marius Oberle</b>	Visual Ergonomics Lighting Workshop <b>Continued</b>	Dynamics simulation of upper limb push-and-pull motion on the control interface <b>Qing Ye</b>	Outcome of treatment of work related musculoskeletal disorders in on-site clinics in information technology companies <b>Deepak Sharan</b>	Psychosocial work factors and musculoskeletal pain among Swedish flight baggage handlers <b>Eva Bergsten</b>	A Comparison of BVP and ECG Data for Evaluation of Driver's Mental Workload Level <b>Ahmad Khushairy Bin Makhtar</b>	Changes in office workers' sitting time following an organisational-level intervention alone or with the support of technology-based self-monitoring: a cluster randomised controlled trial <b>Charlotte Brakenridge</b>	The Cases Study of Occupational Falling and Slipping Incidents <b>Liwen Liu</b>
Design and deployment process of ICT tools, supporting the collaboration of teams involved in a project <b>Nathalie de Beler</b>	Developing hybrid macroergonomic methodologies: a systems foundation for consumer health IT design <b>Rupa Valdez</b>	Training design for a proposed job of operating the Remote Monitoring System for Risk Prevention (RMSRP) in French Nuclear Power Plants <b>Stanislas Couix</b>	Gender friendly drudgery reducing harvesting technologies: Bridging the gap <b>Jatinder Kishtwaria</b>	An anthropometric measurement of female agricultural workers of northeast region of India for tools and equipment design: Critical analysis <b>Thaneswer Patel</b>		Determination of Allowances for Standard Time <b>Hector Romandia</b>	Design of an onboard 3D weather situation awareness system <b>Guy Boy</b>		Evaluation of estimated hand measurements for creating digital hands <b>Natsuki Miyata</b>	Workplace Practices in Return to Work Employees with Musculoskeletal Disorder <b>Iuliana Nastasia</b>	Prevention of Work-related Musculoskeletal Disorders in Washington State, USA <b>Barbara Silverstein</b>	Sensor fusion and human behavioral pattern analysis for vehicle occupancy detection <b>Klaus Bengler</b>	Improving human control of hazards in industry <b>Maureen Hassall</b>	Understanding slips, trips, and falls among older rail passengers: Future-proofing risk <b>Patrick Waterson &amp; Roger Haslam</b>
Implications for an ergonomics program using discrete simulation for road surfacing in civil construction <b>Sara Pazell</b>	Quantifying user experiences for integration into a home appliance design process: a case study of canister and robotic vacuum cleaner user experiences <b>Ai Miyahara</b>	The role of knowledge objects in participatory ergonomics simulation <b>Simone Nyholm Andersen</b>	Comparison of working conditions and health among dairy farmers in southern Sweden in over a 25-year period <b>Stefan Pinzke</b>	Hand Anthropometry of Czech Population <b>Marek Bures</b>		Adaptive assembly sequence planning with respect to ergonomic work conditions <b>Marco Faber</b>	Coordination and Cooperation in Air Traffic Control (ATC) <b>Donald Gyles</b>		Upper limb biomechanical study of driving task based on anybody software <b>Jing Zhang</b>	The telephone - a useful early intervention tool in the management of work related injuries <b>Gosia Speed</b>	Exploring the influence of work culture on Musculoskeletal Discomfort (MSD) amongst Malaysian office workers <b>Ismail Maakip</b>	Evaluation of the SAGAT method for highly automated driving <b>Ingmar Langer</b>	Neuroscience: The Brains Behind Behaviour Based Safety <b>Ken Horrigan &amp; Vanessa Elliott</b>	Correlation of wet SCOF ranges and Slip-and-Fall Injury Claims <b>Russell Kendzior</b>
Application of Immersive Visualization to Integrate Ergonomics and Safety into Airplane Product Development <b>Richard Parker</b>	Distinguishing characteristics of junior high school classroom interior design in Bali with ergonomics principles consideration to optimize students performance <b>I Gusti Ngurah Ardana</b>						Human Factors in Training for Aircraft Maintenance Technicians <b>Shanmugam Ayyakannu</b>		Improving the interconnection between manikin motions and collision-free paths of external objects <b>Niclas Delfs</b>	Workplace interventions: What is needed to assist employees with persistent musculoskeletal pain to maintain productive employment? <b>Jodi Oakman</b>	A multi-faceted workplace intervention reduces low back pain in nurses' aides: results from a pragmatic stepped wedge cluster randomized controlled trial <b>Charlotte Rasmussen</b>	Systems perspective in road safety - an improvement of novice driver training in India <b>Sajan Pillai</b>	USA vs. Australia Matched Case Analysis for Improved Construction Safety and Health <b>Brian Kleiner</b>	Effect of the Duration of Slip-resistant Shoe Use on Slip-resistance <b>Santosh Verma</b>
Steps towards an Augmented Reality workspace for Air Traffic Controllers (video presentation) <b>Thomas Hofmann</b>	Adaptive Products - emotional bond by polymorphic objects? (video presentation) <b>Thomas Hofmann</b>											New Criteria for the Design and Assessment of Systems for the Guidance of Persons with Difficulties of Orientation in Transport Hubs and Public Spaces <b>Peter Wagstaff</b>	Virtual reality based ergonomic risk evaluation of welding tasks <b>Azizur Rahman</b>	What can Workers' Compensation data tell us about the mechanisms of occupational falls in Western Australia? <b>Jean Mangharam</b>

Wednesday 12 August 2015 cont...

1145-1245	Lunch														Level 1 foyer
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204
1245-1415	MSD – Individual Factors and Clinical Issues	MSD – Multidimensional Approaches	Activity Theories for Work Analysis and Design – City, School and Smart Object	Ergonomic and Intervention Studies in Agriculture		Organisational Design and Management – Research Hotbox symposium	Ergonomics in Manufacturing	Aerospace HFE – Situational Awareness	Company Case Studies – Complex Systems	Human Simulation and Virtual Environments	Elsevier workshop on publishing in a journal – Part I	Healthcare Ergonomics – emotional intelligence	Transport Ergonomics and Human Factors	Safety and Health	Slips, Trips and Falls – Falls from Height
Chairperson	Deepak Sharan	Barbara Silverstein	Francisco Duarte	Victor Duraj		Patrick Neumann	Allen Yagjian	Guy Boy & Stephen Legg	Ruud Pikaar	Gunther Paul & Thomas Alexander	Gaia Lupo Sarah Sharples David Tappen	Giulio Toccafondi	Shaun Robertson	Gary Dennis	Richard Bowman
	The effect of wrist flexion and extension on median nerve at carpal tunnel among elderly Japanese men <b>Ping Yeap Loh</b>	Multidisciplinary analysis of risk factors of MSD in meat cutting: the issue of organising knife maintenance <b>Adriana Savescu</b>	Ubiquitous technologies for capture of real-world performance <b>Sarah Sharples</b>	Orchard ladders with shorter rung spacing for stone fruit harvest <b>Victor Duraj</b>		Research Hotbox: Critical Questions Crucial Theory and Current Methods in ODAM Research <b>Patrick Neumann</b>  Crucial theory for practical work and research in human factors in organisational design and management <b>Per Langaa Jensen</b>	The work in the jewelry manufacturing <b>Sandra Gemma</b>	On the complexity of situation awareness <b>Guy Boy</b>  Mild hypoxia, mood and complex cognition in pilots <b>Stephen Legg</b>	Integrating Ergonomics/Human Factors (E/HF) into the Design Process at a Petrochemical Manufacturing Company: Successes, Failures and Barriers <b>Margo Fraser</b>	Digital human models for collegiate SAE land vehicle competitions <b>Matt Parkinson</b>	<b>Gaia Lupo Sarah Sharples David Tappen</b>	How emotional intelligence influences residents' emergency care activity? <b>David Hartnagel</b>  Time of cure and time for care <b>Andrew Thatcher</b>	Solid: A Model of the Principles, Processes and Information required to ensure Mobility for all in Public Transport Systems <b>Peter Wagstaff</b>	Introducing RAMP: A Risk Assessment and Management tool for manual handling Proactively <b>Jörgen Eklund</b>	Graphical Fault Tree Analysis for Fatal Falls in the Construction Industry <b>Chia-Fen Chi</b>
	Co-morbidities of Thoracic Outlet Syndrome among IT professionals <b>Deepak Sharan</b>	Participatory ergonomics to prevent work-related musculoskeletal disorders for aircraft cabin cleaners in Hong Kong <b>Chun Lung So</b>	Analyzing usages of light commercial vehicles in situation for identifying the users' needs <b>Aurelle Klein</b>	Characterizing repetitive upper arm motions in apple harvesting <b>Ornwipa Thamsuwan</b>			Integrated water resources management in Denpasar regency through ergonomics ship approach <b>Lilik Sudiajeng</b>	Pilots' Decision-Making under High Workload: Recognition-Primed or Not - An Engineering Point of View <b>Klaus Bengler</b>  The Development of an Active Listening Test for Federal Aviation Administration Air Traffic Control Specialists <b>Kathryn M Bleckley</b>	Developing injury prevention strategies through design modification of the Human Machine Interface: A tram driver-cabin case study <b>Helen Moody</b>	Comparing the preferred driving postures between Chinese and French drivers <b>Xuguang Wang</b>		Relationships between Work-Family Spillover, Compensation and Mental Health Condition among Japanese Nurses: Focusing on Multiple Roles Map Descriptions <b>Yasuyuki Yamada</b>  The importance of social cue utilisation in the performance of transient teams <b>Daniel Yee</b>	Somewhere between haste and delay - Investigating the Interactions of Road Users and Pedestrians in a Dynamic Rail Level Crossing Environment <b>Anjum Naweed</b>	A practitioner model for assessing manual lifting and lowering operations - included in the RAMP tool <b>Jörgen Eklund</b>	Residential Construction Foremen - Fall Prevention and Safety Communication Intervention <b>Ann Marie Dale</b>
	Performance related musculoskeletal disorders among musicians: a systematic review <b>Deepak Sharan</b>	Physical and mental load during checkout cashier work <b>Roeland Motmans</b>	Future Ways of Working?: Evaluation of sedentary behaviour in an activity based work environment <b>Martin Mackey</b>	Improvement of working posture during harvesting green asparagus with long-shaft scissors <b>Yutaka Kikuchi</b>			Ergonomics Process in a Metallurgical Industry <b>Daniela Fischer</b>	Examining the predictive validity of the WOMBAT situation awareness pilot selection test <b>Carlo Caponecchia</b>	Applying ergonomic principles to control a long term manual handling risk <b>Katrina James</b>	Identification of redundant boundary digital human models <b>Lars Hansen</b>		Effects of automatic train protection on driver performance, behaviour and workload <b>Max Hely</b>	Validation of RULA, REBA in agriculture workers in Indian context <b>Amar Kundu</b>	Simple countermeasure for prevention of fall from portable ladder and residential roof <b>Yasumichi Hino</b>	



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		Upper extremity musculoskeletal disorders (UEMSD): What is the role of psychological distress? How do psychosocial work factors influence the relation between UEMSD and prolonged computer work? <b>Susan Stock</b>	A Systems Engineering Analysis of Team Approaches in Higher Education <b>Barrett Caldwell</b>	Ergonomic evaluation of paddy seeder and rotary weeder with women operators <b>Bini Sam</b>	Future Trends in Military Anthropometry <b>Continued</b>	Research Hotbox <b>Continued</b>		The Naturalistic Flying Study: Innovation in General Aviation Safety Research and Risk Management <b>Carlo Caponecchia</b>  Using a Naturalistic Flying Study to Derive a Taxonomy of Metrics to Measure Safe Flying Performance in Student Pilots <b>Murray Terwey</b>	On Bended Knee: Marrying Strategies to Reduce the Impact of Workplace Knee Injuries in a Ship Building Environment <b>John Whale</b>	Effects of protective equipment and body borne gear on seated maximum reach envelopes <b>Monica Jones</b>	Elsevier workshop on publishing in a journal – Part I <b>Continued</b>	Working and living with home care - a workplace for one, a home for the other <b>Gerd Johansson</b>	Human Factors Contributions to Tram-on-tram Collisions <b>Anjum Naweed</b>		Lethal ladders: new research on ladder climbing calls for fundamental rethink of access design <b>Carl Sachs</b>
		Understanding the relationships between social inequalities and working conditions associated with work-related musculoskeletal disorders: implications for prevention <b>Susan Stock</b>	Work analysis of supervisors as a design activity of frameworks developed by daily and occasional microprojects <b>Valerie Pueyo &amp; Pascal Beguin</b>	The importance of combined field and laboratory research for effective ergonomics interventions - an example from the citrus industry in South Africa <b>Miriam Mattison</b>						Simulation of Virtual Human Hand Evolution after Stroke <b>Esteban Peta Pitarch</b>			Ergonomically-Designed Light Rail Transit (LRT) Cart for Persons with Special Cases (pscs) <b>Josephine German</b>		Effect of handrail height on the speed and accuracy of reach-to-grasp balance recovery reactions during ramp descent: A pilot study <b>Alison Novak</b>
			Did you forget about me? The importance of accessibility for more vulnerable populations in the disaster risk management <b>Eric Lucas Cabral</b>	Posture Assessment As A Measure Of Work Stress During Tractor Field Operation <b>P Kampurath</b>											

Wednesday 12 August 2015 cont...

Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204
1445-1615	MSD SYMPOSIUM – Force and Repetition: Relative Contributions to Upper Extremity Disorders and Fatigue	MSD WORKSHOP - Critical review of an msds risk assessment 'toolkit' for routine workplace use by non-experts	Activity Theories for Work Analysis and Design	Ergonomic Studies and Interventions in Brazilian Agriculture	Organisational Design and Management – Healthcare Management	Organisational Design and Management – Macroergonomic concepts	Ergonomics in Manufacturing	Ergonomics for Children and Educational Environments	Company Case Studies – Physical Work	Anthropometry - workshop	Elsevier Reviewer workshop: do's and don'ts when reviewing a journal paper – Part II	Healthcare Ergonomics - patient handling	Transport Ergonomics and Human Factors	Safety and Health - workshop	Slips, Trips and Falls – Aging and Healthcare
Chairperson	David Rempel & Francesco Violante	Wendy Macdonald, Jodi Oakman & Owen Evans	Laerte Szelwar	Victor Duraj	David Caple & Kathleen Rockefeller	Thomas Smith	Richard Gardner	Gitte Lindgaard	Dirk Delaruelle	Alistair Furnell	Gaia Lupo Sarah Sharples David Tappen	Robyn Coman	Carryl Bladwin	Peta Miller	Sue Hignett & Laurie Wolf
	Definitions of force and repetition: Associations with upper limb msds <b>Arun Garg</b>	WORKSHOP - Critical review of an msds risk assessment 'toolkit' for routine workplace use by non-experts <b>Wendy Macdonald Jodi Oakman Owen Evans</b>	What do we mean about work <b>Laerte Szelwar</b>	Analysis of the tomato harvest: a case study in eight brazilian farms <b>Uiara Montedo</b>	Senior management commitment to improve ergonomics in acute healthcare <b>David Caple</b>	A Philosophy of Ergonomics/Human Factors - A Broader Perspective <b>Thomas Smith</b>	A Method for the Assessment of Psychosocial and Organizational Injury Risk Impact of Automation or Process Change <b>Peregrin Spielholz</b>	Multifactorial Analysis of Back Pain among Nigerian schoolchildren using backpacks <b>Ademola Adeyemi</b>	Using participatory ergonomics to decrease injury costs and increase production - A case study example within a number of NSW quarries <b>Kylie Newton</b>	Future Trends in Military Anthropometry <b>Alistair Furnell</b>  <b>Jemma Coleman</b>  <b>Matt Parkinson</b>	<b>Gaia Lupo Sarah Sharples David Tappen</b>	Manual Handling of People (MHP) Risk Management: a survey of aged care staff knowledge and understanding of environment related MHP risk control interventions <b>Robyn Coman</b>	Brazilian air transport: the experiences of elderly passengers <b>Talita Naiara Rossi Da Silva</b>	Creating Good Work Through Effective Design <b>Peta Miller</b>	Age effects on postural stability in lifting tasks <b>Jiahong Song</b>
	Results of a systematic review of the interaction between force and repetition: Evidence of a causal fatigue failure process in musculoskeletal tissues <b>Sean Gallagher</b>			The use of personal protective equipment in tomato harvest <b>Uiara Montedo</b>	Where does the time go? A work sampling study of physical therapy faculty time use <b>Kathleen Rockefeller</b>	Implementing the conditions for an effective participation in a continuous design process <b>Maria Sol Perez</b>	Requirement analysis of multimodal human-machine interfaces for machine tools <b>Tobias Hellig</b>	A systematic review of risk factors for musculoskeletal pain due to heavy backpacks in school children <b>Deepak Sharan</b>	Human-centred design for civil construction: Reducing safety and health risks associated with the operation and maintenance of on-road vehicles and mobile plant <b>Sara Pazell</b>		Rapid Reported Risk Rating Tool in Health Care..... 2 minutes to make manual handling of people training relevant and efficient <b>Aileen Conroy</b>	Role of work organization on activity of the ambulance drivers of a university hospital in Sao Paulo, Brazil <b>Eduardo Costa Sa</b>		Gait Alterations on Irregular Terrain in older adults with and without Parkinson Disease: Fall Risk Implications <b>Andrew Merryweather</b>	
	Findings from psychophysical studies on repetitive upper extremity tasks <b>Jim Potvin</b>			Proposal of a Methodology for Conception Sustainable Development Indicators for Organic Family Farming <b>Maria Christine Werba Saldanha</b>	Mobilization of workers in primary prevention, a condition for the efficiency of hospital-level intervention <b>Elsa Laneyrie</b>	Strategies to develop and strengthen Human Factors and Ergonomics knowledge among stakeholders in Sweden <b>Hillevi Hemphala</b>	User centred design as innovation driver: a new approach to motorcaravans™ project <b>Francesca Tosi</b>	Children's utilisation of allied health treatment to manage ICT-related pain <b>Marina Ciccarelli</b>	"Carving up the problem of meat delivery" <b>Peter mccubbery</b>		The Lifting Paradigm: Why paramedics routinely lift patients off the ground, and what they should be doing instead <b>Peter Pollnitz</b>	A National Strategy for Safe Use of Quad Bikes in Sweden <b>Peter Lundqvist</b>		Obesity and falls in older individuals: estimating fall risk and identifying mediating factors <b>Rebecca Mitchell</b>	

	The association of force and repetition with wrist tendinitis among blue-collar workers in the San Francisco study <b>Carisa Harris-Adamson</b>	WORKSHOP - Critical review of an msds risk assessment 'toolkit' for routine workplace use by non-experts <b>Continued</b>	What do we mean about work <b>Continued</b>	Sugar-cane harvesting machine design 'in the field' <b>Robin Burgess-Limerick</b>	Behavioral sensor-based organizational design and management in Japan: From the perspectives of communication channel in nursing organization <b>Motoki Mizuno</b>	Mathematical and human centered optimization of the distribution of rare resources on the example of seating <b>Marius Oberle</b>	Anthropomorphic motion control for safe and efficient human-robot cooperation in assembly tasks <b>Sinem Kuz</b>	Permanent effects of back pack on spinal curvature of school children <b>Ishant Gupta</b>	Creating and Assessing Ergonomics Design and Build Criteria for Airplane Product Development <b>Peregrin Spielholz</b>	Future Trends in Military Anthropometry <b>Continued</b>	Elsevier Reviewer workshop: do's and don'ts when reviewing a journal paper – Part II <b>Continued</b>	The Effect of a Hospital Bed Turn Assist Feature on Biomechanical Responses When Turning Patients <b>Dan Nathan-Roberts</b>	A Study on Motorcycle Usage and Comfort in Urban India <b>Sai Praveen Velagapudi</b>	Creating Good Work Through Effective Design <b>Continued</b>	Are patients at risk for falling? Not if you ask them! <b>Laurie Wolf</b>
	Findings on carpal tunnel syndrome from the prospective Italian cohort study on manual workers <b>Francesco Volante</b>				Examining Patient Work: The When, and How Much of Self-care <b>Dan Nathan-Roberts</b>	Role Analysis in the Construction Supply Chain <b>Brian Kleiner</b>	User centred design for eco-efficient behaviors in home appliances™ industry <b>Francesca Tosi</b>	Level of Implementation of Ergonomic Based School furniture for Malaysian Children <b>Jafri Mohd Rohani</b>				<b>Commencement of Healthcare Ergonomics Workshop:</b> Intervening in the design process: practical examples from healthcare workplace design <b>Mark Hennessy</b>	Differences between prescribed and real: verification of service provision to passengers who need special assistance in air transport from the perspective of the new Brazilian Resolution <b>Talita Naiara Rossi Da Silva</b>		Silver bullets or buckshot? Patient falls and a systems model in healthcare facility design <b>Ellen Taylor</b>
	Work-related factors associated with carpal tunnel syndrome: Analysis of pooled prospective data from 2532 workers <b>David Rempel</b>				Does residential aged care work offer attractive employment opportunities? <b>Victoria Weale</b>			Effects of tablet tilt angle on children's handwriting in elementary school <b>Takashi Shibata</b>					Driver Distraction is Greater with Cell Phone Conversation than with Passenger Conversation - A Social Cybernetic Interpretation <b>Thomas Smith</b>		Using Human Factors & Ergonomics to tackle Slip, Trips and Falls risks in Care Environments <b>Sue Hignett</b>
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204
1615–1700	Australian Session	IEA/ILO session	Psycho-social & psycho-cultural issues	Food & harvesting tools	Health, safety, planning & education	MSD problems, job satisfaction & workplace analysis	Exercise and health	Ergonomics education & practice	Miscellaneous Ergonomics	Standards, conservation & work ability	Advanced display optimisation	Healthcare Ergonomics - workshop		On Royal Charters & postural discomfort	Healthcare Systems & Design
Chairperson	Andrew Petersen	Jose Orlando Gomes	Pierre Falzon	Agriculture TC Chair	Kirsten Olsen	Knut Fostervold	Katie Buckley	Amy Chung	Dave Moore		Stephen Legg	Mark Hennessy		Patrick Waterson	Sue Alexander
	Human Factors and Ergonomics Society of Australia (HFESA): 50th Anniversary History	Promotion Ergonomics Checkpoints: China Experience <b>Min Zhang</b>	Psycho-cultural Analysis of Disaster Risk Attitudes in Situation Awareness <b>Halimahtun Mohd Khalid</b>	Developing low cost harvesting tool using ergonomics concept for oil palm fresh fruit bunch harvesters in Malaysia: A case study <b>Shamsul Bahri Mohd Tamrin</b>	Work environment and patient safety during planning, design and procurement of workspace for advanced medical equipment <b>Viveca Wiberg &amp; Marianne Jakobsson</b>	Characterization of Musculoskeletal Disorders in the manufacturing industry in Sonora Mexico <b>Enrique De La Vega</b>	ERIK: a controllable exercise equipment for the lower limb <b>Koyanagi Ken'ichi</b>	Development of Ergonomics Checkpoints for Educational Environments <b>Sarbjit Singh</b>	'Mass and Density of Materials: Construction Management Students' Knowledge and Perceptions <b>John Smallwood</b>	"Conserving the Conservator": A Participative Ergonomics Approach to Reduce the Risk of Work-Related Musculoskeletal Disorders from Performing Conservation Treatment at Artlab Australia <b>Josephine Bills</b>	Event detection using a simulated head-worn display <b>Michael Pascale</b>	Intervening in the design process: practical examples from healthcare workplace design <b>Continued</b>		The granting of a Royal Charter: an anachronism or a major development for ergonomics and human factors? <b>Roger Haslam</b>	Med/Surg Patient Room Layouts Identified Through a Participatory Design Process with Hospital Staff <b>Steven Lavender</b>

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	Human Factors and Ergonomics Society of Australia (HFESA): 50th Anniversary History <b>Continued</b>	Promotion Ergonomics Checkpoints: China Experience <b>Continued</b>	Understanding the cultural disparities in the approaches taken when learning new technology, in form of smartphone usage by Rhodes University students from two different ethnical dispositions <b>Swantje Zschernack</b>	WMSD complaints among Palm Oil Plantation Workers: Impact of machine and technology usage <b>Nur Syazwani Mohd Nawi</b>	The integration of health and safety in University curricula: the Australian experience <b>Paul Rothmore</b>	Ergonomic workplace analysis in an elevator manufacturing company <b>Deepak Sharan</b>	The combined relationship between occupational physical activity and self-reported cardiorespiratory fitness with cardiovascular disease mortality: A Prospective Investigation in the Copenhagen City Heart Study <b>Andreas Holtermann</b>	Theory versus practice in the human factors and ergonomics discipline: Trends in journal publications from 1960 to 2010 <b>Amy Chung</b>	On the use of self-reported anthropometric measurements in ergonomics <b>Mohamed Mokdad</b>		Optimizing the information presentation position of a spectacle-type device: Presenting information to maximize user attention and minimize discomfort <b>Daigoro Yokoyama</b>	Intervening in the design process: practical examples from healthcare workplace design <b>Continued</b>		A Study On Postural Discomfort Of House Construction Workers Using Reba Method <b>Rekha Vyas</b>	A strategic approach to healthcare facility and workforce commissioning <b>Karen Davies</b>
					Correlation analysis between the occurrence of adverse events and infrastructure development in an active war theatre <b>Erman Cakit</b>			Worldwide student involvement in human factors and ergonomics societies: What can HFESA learn? <b>Amy Chung</b>			A Heuristic-Based Re-Evaluation of the IBM Academic Initiative Project Interface <b>Gabriella Hancock</b>				An EEG based Human-Exoskeleton Interaction <b>Jing Qiu</b>
1700-1830		MSD TC Meeting	Agriculture TC Meeting	WWCS TC meeting	Anthropometry TC meeting	ODAM TC Meeting			Occupational Sedentary Exposure Workshop – National Policy Implications	IEA History			Healthcare Ergonomics TC Meeting		
1700	Occupational Health & Safety SIG – followed by social networking event														The General Assembly
1700	Resources & Energy SIG – followed by social networking event														The General Assembly

Thursday 13 August 2015

0730-1700	Registration desk open Exhibition open														
0900-0945	Chairperson: Barbara McPhee  Reaching out - Occupational Gerontology <b>Dr Clas-Hakan Nygard, University of Tampere, Finland</b>														
0945-1015	Morning tea														
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204
1015-1145	Building and construction		Activity Theories for Work Analysis and Design workshop	Miscellaneous Ergonomic and Health Issues in Agriculture	Aging	Organisational Design and Management – Stress Management	Ergonomics in Manufacturing	International Symposium on Children and Technology	Company Case Studies – Healthcare	MSD – Training/Education	MSD – Analysis Methods	Healthcare Ergonomics – design	Transport Ergonomics and Human Factors	Safety and Health	Slips, Trips and Falls – Stair 1
Chairperson	Ann Marie Dale		Sarah Sharples	Rima Habib	Clas-Håkan Nygård & Andreas Holtermann	Sylvain Biquand & Jodi Oakman	Tim Severino	Pieter Coenen & Leon Straker	Barbara McPhee	Victoria Weale	Fiona Weigall	Francesca Tosi	Airdrie Long	Sharon Phillips	Jake Pauls
	Workers' Changing Psychophysical Characteristics Require Prevention through Design (ptd) and Safety, Health & Ergonomic (SH&E) Strategies at Construction Worksites (video presentation) <b>James G Borchardt</b>		Human Factors in Complex Systems: Challenges and Opportunities <b>Sarah Sharples</b>	ILO Practical Tools on Ergonomic Solutions to Occupational Safety and Health Hazards in Agriculture <b>Shengli Niu</b>	A Driving Simulator Study: Elderly and Younger Drivers™ Physiological, Visual and Driving Behavior on Intersection <b>Se Jin Park</b>	Why are psychosocial risks on the rise? Human history and neo-Taylorism <b>Sylvain Biquand</b>	Ergonomics Process in a Textile Industry <b>Daniela Fischer</b>	Television watching exposure from childhood to early adulthood <b>Leon Straker</b>  Mobile touch screen device use among young Australian children - first results from a national survey <b>Pieter Coenen</b>	Mapping healthcare processes and clinical practices to design an integrated system for patient safety and quality of care <b>Michela Tanzini</b>	The design and implementation of an exercise programme for the prevention and management of work-related upper limb disorders <b>Liz Ashby</b>	Top-down estimation of joint moments during manual lifting using inertial sensors <b>Alain Delisle</b>	Redesign the discharge process for enhancing coordination at care transitions and reducing readmission <b>Giulio Toccafondi</b>	Enhanced Context of Accident Analysis and Classification - Digging Root Causes behind Causes <b>Yu-Hung Chi</b>	Characteristics of occupational accidents by age <b>Akiko Takahashi</b>	Effects of wearing slippers on walking locomotion on stairs in female elderly <b>Satoshi Muraki</b>
	Job accommodation of people with disabilities in the construction industry: analysis of production and absence <b>Bruno Guimarães</b>			Work in art, art in work: [un]changing representations of work in the art of Kiron Sinha <b>Anjum Naweed</b>	Ergonomic design requirements for a safe grip to prevent falling of older persons in the bathroom <b>Richard Goossens</b>	Visibility and invisibility of some forms of weakening at work in five large French companies <b>Catherine Delgoulet</b>	Ergonomics evaluation of an packaging workstation in a electric supply industry <b>Angela Poletto</b>	Can ipad applications promote pre-primary children's fine motor skills development? <b>Courtenay Harris</b>  Sedentary behaviours of schoolchildren using mobile technology in the classroom <b>Marina Ciccarelli</b>	Reducing the risk of MSD for nurses during IV bladder irrigation procedures <b>Susan Gardiner</b>	The influence of experience on manual materials handling and its implications for training: a systematic literature review <b>Mark Boocock</b>	Lifting task: parameters variation on stable and unstable surfaces <b>Juan Albert Castillo</b>	Patient profiles for design: tailoring rehabilitation consults in orthopaedics <b>Marijke Melles</b>  Experiences of clinical staff during the introduction of mobile technology systems in an acute care ward <b>Alexandra Lang</b>	Developing Human Factors Standards for a Transport Organisation <b>Gareth Hughes</b>	Which code is it? Inter-rater reliability of systems theory-based causal factor taxonomy for the outdoor sector <b>Gemma Read</b>	Effect of varying lengths of stair nosing on foot trajectory during stair ascent and descent in healthy older adults <b>Alison Novak</b>
	Why are we not learning to manage manual tasks in the Construction Industry? <b>Justin Ludcke</b>			Designing a training course for animal handlers taking account of the diversity and variability of the work and the people trained <b>Christine Vidal-Gomel</b>	A Field Study towards Revitalization of Aging Cities in Japan <b>Takumi Iwaasa</b>	What can workplaces do to support employees with persistent pain conditions? <b>Jodi Oakman</b>	Postural effect on muscular activities of Electronics workers in Malaysia <b>Ademola Adeyemi</b>	7 years to cross the road safely..... 'I'd rather get hit by a bus than have my trolley tip over' <b>Aileen Conroy</b>  Cervical kinematic, muscle activity and energy expenditure during electronic game playing and their association with musculoskeletal discomforts <b>Donald Lui</b>		The Effect of Job-specific Occupational Health Education Program on Prevention of Work-related Musculoskeletal Back Injury <b>Andy S.K. Cheng</b>	Whole workday measurements of upper arm postures among workers from 15 occupations- An accelerometer-based study <b>Peter Palm</b>		Cornering Law: The Need for Further Research and Development <b>Deak Helton</b>	The influence of information presented on digital escape route signage on decision-making under mentally and emotionally strenuous conditions <b>Sonja Theresa Meier</b>	Using 3D laser scanning to improve the reliability of stairway geometry measurements <b>Richard Bowman</b>

	Exploring Body Stressing Injuries in the Construction Industry: A Project conducted by an Australian Safety Authority <b>April Jones</b>		Human Factors in Complex Systems: Challenges and Opportunities <b>Continued</b>	The influence of cattle height on the activity of shoulder muscles in veterinarians during rectal palpations <b>Swantje Zschoernack</b>	Multilevel Assessment of the Effects of Age Diversity <b>Philipp Przybysz</b>	Helping carers to care: Job quality, safety and care quality in aged care <b>Valerie O'Keeffe</b>	Technological design influence on production and ergonomic development in meat cutting <b>Johan Karlton</b>	The physical impact of electronic game play on children <b>Leon Straker</b>  Relationships between social skill, problem behaviours and exposure to social networking sites amongst adolescents <b>Courtenay Harris</b>	Effective design process for the involvement of volunteer staff in ergonomic redesign <b>Nicole Walters</b>	Influencing nationally recognised training programmes for the purpose of applying evidence based manual task training across Australia <b>Rosalind Forward</b>		Ergonomic design and evaluation of a mobile application for epidemiological surveillance <b>Moustafa Zouinar</b>  Ergonomics in design: medical devices for home care <b>Francesca Tosi</b>	Maximum Acceptable Work Period in Load Carrying of Sherpa Mode for Female Workers <b>P.K. Pranav</b>	The effectiveness of aversive health warnings: Do they really work? <b>Nicole Aimers</b>	Use of 3D laser scanning stairway geometry data to better understand the risk of falls and enable improved stair regulations <b>Richard Bowman</b>
	Assessment of postural stress among bricklayers in a construction company <b>Bouhafs Mebarki</b>				The Decision to Continue Working or Retire Early <b>Kerstin Nilsson</b>	Determination of physical fatigue in sweep workers <b>Claudia Selene Castro Castro</b>			Safety by design and collaboration <b>Jay Lewis</b>	Sharing Knowledge between Ergonomic Scientific Inspectors and Industry Inspectors: An Australian Safety Authority Cross Industry Manual Task Initiative <b>Jean Mangharam</b>			Making the case for Crew Centered Design (CCD) in merchant shipping <b>Aditi Kataria</b>	Experiences and results of a project in Austria to motivate smes for age-based workplaces <b>Michael Wichtl</b>	Loading profile of the landing foot on stair treads and their nosings during descent <b>Rodney Hunter</b>
	Ergonomic risk in the stages of construction of the storm water drainage system <b>Angela Poletto</b>				Associations between age, leadership, sickness absence and job satisfaction <b>Clas-Hakan Nygard</b>					An intervention program combining ergonomics and motor control training can effectively change physical job exposures and perceived exertion <b>Grace Szeto</b>					Photographic study of stair ascent and descent on public stairways <b>Rodney Hunter</b>

Thursday 13 August 2015 cont...

Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204
1245-1415	Building and Construction	Ergonomics in Design - Accessibility	Working with Computer Systems		Aging - How to promote healthy and productive aging at work – symposium (Part 1)	Organisational Design and Management – Conditions of Performance	Gender and Work - Gender perspectives on musculoskeletal health at work - a Swedish initiative	Ergonomics for Children and Educational Environments	Company Case Studies – Forum	MSD CASE STUDIES - Physically Demanding Work	MSD – Analysis Methods	Healthcare Ergonomics – Human Factors	Transport Ergonomics and Human Factors	Safety and Health	Slips, Trips and Falls - symposium - Stair 2
Chairperson	Henk Van Der Molen	Dave Moore	Christopher Schlick		Jodi Oakman & Clas-Håkan Nygård	Per Lindberg & Laerte Sznelwar	Svend Erik Mathiassen	Gitte Lingaard	Forum consists of all chairs of the company case sessions	Mary Kikas	Barbara Silverstein	Mia Mc Landers & Sara Albolino	Jesse Eisert	Trudy Tilbury	Jake Pauls
	The Design and Evaluation of a Universal Rig for Supporting Large Hammer Drills to Reduce Injury Risk <b>David Rempel</b>	Increasing Personal Mobility for Wheelchair Users in Developing Countries - a Wheelchair Prototype Evaluation Study in Indonesia <b>Erik Ohlson</b>	Development of the (adaptive) computer literacy scale (CLS) <b>Michael Sengpiel</b>		Differences between occupations with respect to exit from working life <b>Roland Kadefors</b>	Measuring Culture: Evaluating Measures and Methods <b>Tristan Endsley</b>	Physical work, gender and health in working life <b>Svend Erik Mathiassen</b>  Working conditions in female and male dominated sectors in Swedish municipalities <b>Christina Jonsson</b>	Creating innovative minds and self learning among the toddlers through e-technology <b>Lavanya Bachwal</b>	Task analysis - creating safe work method statements <b>Elizabeth Smith</b>	Assessment of Workload and Tool Use in Bath Tub Scrubbing Task <b>Hsieh-Chin Chen</b>	Inter-Observer and Intra-Observer Ergonomics Measurement Method Reliability Test: Initial Research <b>Ezrin Hani Sukadarin</b>	Neonatal resuscitation guidelines: How human factors can improve practice <b>Mia mclanders</b>	The effect of training approaches and feedback for young and novice drivers on the relationship between the actual and perceived speed <b>Oleksandra Krasnova</b>	Is the risk management model and hierarchy of control relevant for psychosocial risks? <b>Peta Miller</b>	Workshop: Reaching out to enhance stairway usability and safety: Collaborations and other interactions among professionals in ergonomics, public health, and building standards/code s/regulations, from several countries <b>Jake Pauls</b>
	Designing for Construction Ergonomics <b>John Smallwood</b>	Trust in Human-Robot Interaction for Assistive Robotics <b>Tracy Sanders</b>	Investigation of the angle and age effect using Fitts' law for conventional information input <b>Jennifer Bützler</b>		Ageing and work ability: Implications for promoting healthy working life in an underground coal mine environment <b>Martin Mackey</b>	Western Management styles and African culture - compatibility issues and prospects in industrial organization in Southern Africa <b>Matthias Gobel</b>	Initiatives for prevention specifically focusing women's physical workloads <b>Kersti Lorén</b>	Differing Systems Perspectives on Educational Quality <b>Thomas Smith</b>	Human Factors Engineering in projects <b>Ruud Pikaar</b>	Risks and Musculoskeletal Symptoms in Manicure/pedicure Activity <b>Maria Christine Weba Saldana</b>	Sector specific Applications of the Composite Ergonomics Risk Assessment (CERA) <b>Gyula Szabo</b>	A review of usability evaluation models applied in critical domains <b>Ganesh Bhutkar</b>	Development of a catalogue of action steps of a car driver and partial validation <b>Ingmar Langer</b>	TBA <b>Maureen Dollard</b>	
	Use of voluntary controls for physical risks in Sheet Metal Work tasks <b>Ann Marie Dale</b>	Using dielectric stack actuators for blind navigation with a tactile computer mouse <b>Michaela Kauer</b>	Evaluating Cybersecurity Vulnerabilities with the Email Testbed: Effects of Training <b>Ben Sawyer</b>		Associations between age, leadership, sickness absence and job satisfaction <b>Clas-Hakan Nygard</b>	Employees' and managers' perception of a healthy workplace - interviews from three medium-sized companies <b>Per Lindberg</b>	Women's work environment, health and ergonomics: the impact of the project within the Swedish Work Environment Authority <b>Minke Wersäll</b>		Forum discussion	Ergonomic Intervention Reduce Musculoskeletal Disorder and Increase Comfortable and Productivity Among Balinese Offering Maker at Denpasar Bali <b>I Dewa Ayu Inten</b>	Ergoanalyst: Innovative software to support the implementation of a participative ergonomics program <b>Robin Burgess Limerick</b>	Ergonomic analysis of immunization activity in a Health Unit in Brazil <b>Bianca Gruginski</b>	Comparison of Traditional Psychophysical and Sorting Methods for In-Vehicle Display Design <b>Bridget Lewis</b>	The link between stress prevention checkpoints and ergonomic checkpoints at the workplace <b>Kazutaka Kogi</b>	
	Job rotation to prevent work-related musculoskeletal complaints: usefulness and ease of use <b>Henk Van Der Molen</b>		Age-robust cognitive ergonomic design of network diagrams in project management software: An empirical study of the effect of continuous edges on graph comprehension <b>Jennifer Bützler</b>		Employment preferences for Australia's ageing workforce: Do individual and workplace determinants differ according to socioeconomic status? <b>Jack Noone</b>	Determinants for positive mental health and wellbeing at work - a literature review <b>Per Lindberg</b>	A gender perspective in occupational health projects – a success story? (video presentation) <b>Angelika Sjösted-Landén</b>			Assessment of Ergonomic Risk and Compressive Force on Lumbar Spine for Farmers in the Complete Rice Cultivation Cycle <b>Manida Swangnetr</b>	Association between the ACGIH TLV for HAL and incidence of CTS in a pooled prospective study <b>Jay Kapellusch</b>	Task analysis of clinical staff activities during the introduction of mobile technology systems in an acute care ward <b>Alexandra Lang</b>	Prediction of fatigue-related lane-crossing events in real driving <b>Yulan Liang</b>	Physiological workload and musculoskeletal fatigue among construction workers involving squatting/kneeling task in Taiwan <b>Yen-Hui Lin</b>	

Thursday 13 August 2015 cont...

	Evaluation of electrical screed leveling machines on physical work demands and productivity <b>Henk Van Der Molen</b>		Age differentiated analysis of the hand proximity effect in a visual search paradigm <b>Christina Broehl</b>		Aging - How to promote healthy and productive aging at work – symposium (Part 1) <b>Continued</b>	Effects of the Organization Development of First-Year Experience and Developed Evaluation Scale in Japan: Focused on the Psychosocial Aspects among Freshman of University <b>Yasuyuki Hochi</b>	Gender perspectives on musculoskeletal health at work - a Swedish initiative <b>Continued</b>					Perceptions and implications of cognitive aid design for medical emergencies <b>Stuart Marshall</b>	Music Interventions during a Sustained Attention Response Task <b>Matthew Jesso</b>	Perceived workplace safety culture among Swedish electricians <b>Asa Ek</b>	Workshop: Reaching out to enhance stairway usability and safety <b>Continued</b>	
						Social Impact Information as an Activity Impetus of the Organizational Speciation <b>Shogo Kamei</b>						Effectiveness of vibrotactile displays of patient vital signs under low and high perceptual-motor task load <b>Chiara Santomauro</b>	Conceptual Design vs. Constructed Reality - Comparing General Arrangement Drawings to the Finalized Working Environment <b>Steven Mallam</b>	Musculoskeletal disorders in slaughterhouse : focus on poultry processing <b>Alexandre Pinto</b>		
1415–1445	Afternoon tea														Level 1 foyer	
Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112	Room 203	Room 204	
1445–1615	Human Factors and Sustainable Development	Ergonomics and Design for All	Online Communities		Aging - Symposium on how to promote healthy and productive aging at work - symposium (Part 2)	Organisational Design and Management – Management of High Reliability Work System	Healthcare Ergonomics – Human Factors	Mining	Musculoskeletal Disorders	MSD CASE STUDIES - Physically Demanding Work	MSD - Fatigue	Healthcare Ergonomics - workshop	Organisational Design and Management - Doing it Differently: group processes for research and practice Panel	Safety and Health	Slips, Trips and Falls - Biomechanics	
Chairperson	Andrew Thatcher	Isabella Steffan	Francoise Detienne		Jodi Oakman & Clas-Håkan Nygård	Guillaume Hernandez & Anna Sophia Moraes	Louise Whitby	Gary Dennis	Deepak Sharan	Christine Aickin	Owen Evans	Sue Hignett	Tristan Endsley	Jim Carmichael	Rezaul Begg & Richard Bowman	
	The contextualization of lean manufacturing in the mining sector: foreseeable challenges to occupational health and safety <b>Sylvie Nadeau</b>  Introduction of mining equipment: key factors for sustainable development <b>Bryan Trudel</b>  Cooling technologies for reducing thermal constraints in deep underground mines: OHS challenges <b>Stephane Halle</b>	Ergonomics supports Design for All <b>Francesca Tosi</b>  Lighting - One size fits all OR design for all? <b>Jennifer Long</b>  Ergonomics can reduce or eliminate barriers <b>Andrew Petersen</b>  Design for challenging behaviour - pleasant for all <b>Allen Kong</b>	Analysing the evolution of online communities: developmental and narrative approaches <b>Francoise Detienne</b>  Will patients like me.com affect the doctor-patient relation and the work environment of doctors? <b>Lena Petersson</b>		Water water everywhere and not a drop to drink: the challenge of bottled water provision to older users in hospitals <b>Alison Bell</b>  Work characteristics at midlife and musculoskeletal pain among municipal employees <b>Subas Neupane</b>  Self-reported exposure to biomechanical demands amongst Australian workers: What happens to older workers? <b>Tessa Keegel</b>	Five unexpected effects of HOF actions of improvement in risk industries <b>Guillaume Hernandez</b>  The production of prescriptive documents in high-reliability organizations: an exploratory diagnosis <b>Camille Thomas</b>	A study of the relationship between sit-to-stand activity and seat orientation <b>Chikamune Wada</b>  Systematic reviews and patient falls: are reportable factors consistent <b>Louise Whitby</b>  Influence of different stool types on muscle activity and lumbar posture in dentists during a dental screening task <b>Mieke De Bruyne</b>	Why are we not learning to manage manual tasks in the Mining Industry? <b>Justin Ludcke</b>	Using Bow Tie analyses to enhance accident investigation activities <b>Philippa Dodshon</b>	Diagnosis of Work Related Musculoskeletal Disorders <b>Jerrish A Jose Deepak Sharan</b>	Ergonomic Analysis on Musculoskeletal Disorders of Slate Pickers in Coal Preparation Plant <b>Yu Sun</b>  Drudgery and occupational health hazards of women farmers in cotton cultivation <b>Hemu Rathore</b>	Should we recommend people to stand more than sit at work? <b>Maggie Graf</b>  Long lasting muscle fatigue after standing work <b>Gabriela Garcia</b>	What do healthcare staff need to know about Human Factors & Ergonomics? Defining core competencies and accredited educational and training providers <b>Sue Hignett</b>  The Future Inquiry Workshop in practice and research <b>Anjum Naweed</b>  The Field Diaries: an innovative participatory methodology <b>Denis Coelho</b>  Chronicle workshops - a participative method to develop workplaces <b>Sisse Gron</b>	Doing it Differently: group processes for research and practice <b>Anjum Naweed</b>  The Future Inquiry Workshop in practice and research <b>Anjum Naweed</b>  Applying the human factors analysis and classification system for human errors and injuries in the iron and steel industry <b>Kang-Hung Liu</b>	Management of Dilemma under Sleep Deprivation in Anesthesiology Residents: a Simulation-Based Study <b>Anais Job</b>  Effect of Locomotion Environment Familiarity and Cognitive Loading on Gait Control and Situation Awareness in Multitasking <b>Carl Pankok Jr</b>	The influence of medio-lateral force in the calculation of required coefficient of friction (RCOF) during level walking in older people <b>Tuire Karaharju-Huisman</b>



	Effective Ergonomics Project on Implementation of FITS Office Ergonomics Program <b>Justine Chim</b>  Hybrid Electric Vehicles: driving towards sustainability <b>Divia Riga</b>		When ergonomists meet each other online to discuss practices: A French-speaking example <b>Flore Barcellini</b>		Does age matter in predicting MSD risk? <b>Jodi Oakman</b>	Supporting defence foresight analysis with Cognitive Work Analysis: Is it applicable, helpful, and practical? <b>Penelope Sanderson</b>	A design for human variability (dfhv) approach to determining appropriate sizes of prosthetic heart valves for pediatric patients <b>Matt Parkinson</b>	Long duration whole-body vibration measurements of surface coal mining equipment <b>Robin Burgess Limerick</b>	Diagnosis of Work Related Musculoskeletal Disorders <b>Continued</b>	Musculoskeletal complaints among workers of a poultry slaughterhouse <b>Adriana Seara Tirloni</b>	Muscle fatigue and discomfort associated with standing and walking: Comparison of work surfaces <b>Bernard Martin</b>	What do healthcare staff need to know about Human Factors & Ergonomics? <b>Continued</b>	The 'Scenario Invention Task' (SIT): an innovative method for harnessing natural human creativity <b>Anjum Naweed</b>	Effects of the Work Improvement on Board (WIB) program for improving safety and health of seamen <b>Hisamune Shuji</b>	Gait adaptation on surfaces with different degrees of slipperiness <b>Wen-Ruey Chang</b>			
			The study of communication effected by mobile instant messaging software between family members <b>Chien-Yu Lin</b>			Measuring the Influence of Human Factors on Maintenance Reliability <b>Ari Antonovsky</b>	Assessment of Continuous and Impulsive Whole Body Vibration Exposures in Heavy Equipment Mining Vehicles <b>Peter Johnson</b>	Lumbar complaints and ergonomic evaluation in chemical industry <b>Eduardo Myung</b>		Determining the effect of four standing rest-break conditions on self-report low back pain and mental fatigue, muscle activation and productivity during prolonged sitting in back-healthy individuals <b>Peter Sheahan</b>	Making better best: application of a practical consultative process to improve the work arrangements for art gallery workers <b>Rwth Stuckey</b>		Gait adaptations to floor surface characteristics in a Virtual Reality environment: applications to the design of safer environments <b>Richard Bowman</b>					
	Opportunities for ergonomic action in organizations engaged in sustainability: A Case study <b>Ivan Bolis</b>  Safety and Reliability Assessment of a Miniature Steam Generator <b>Abdel-Hakim Bouzid</b>	Ergonomics and Design for All <b>Continued</b>	An analysis of the relationship between invitation and attendance at events organized via Social Networks <b>Fabio Campos</b>			Understanding workload and its components: a case study of a large Brazilian private bank <b>Anna Sophia Moraes</b>					Prevalence and Risk Factors of musculoskeletal disorders among workers of the Charge parts of the factory battery <b>Manishe Motamedi</b>			A statistical model to estimate recovery time for the shoulder in highly repetitive work <b>Francisco Lopez Millan</b>		Organisational Design and Management - Doing it Differently: group processes for research and practice Panel <b>Continued</b>	Innovation and prevention of risks related to nanomaterials: what intervention for a prospective ergonomics? <b>Sandrine Caroly</b>	Using the Goldilocks principle and virtual reality environments to develop appropriate models for the risk of slipping <b>Richard Bowman</b>
			MOOC on Human Factors in User Interface Design <b>Halimahtun Mohd Khalid</b>			Human Factors of Run Through Switches in US Rail Operations <b>Francis Durso</b>					Musculoskeletal disorders among Rajavithi hospital workers in central Bangkok <b>Charuwan Manmee</b>			The Effects of Joint-based Pointing Method and Control-Display Gain on Upper Extremity Fatigue in distal pointing <b>Hung-Jen Chen</b>			Individual, strategic and environmental effects on foot positioning performance <b>Jun-Ming Lu</b>	



Friday 14 August 2015 cont...

Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112
1015-1145	Patient Handling Symposium		Working with Computing Systems	Human Factors and Sustainable Development	Slips, Trips and Falls – Tribology	Organisational Design and Management – Safety Culture	Healthcare Ergonomics – data monitoring	Organisational Design and Management - panel	Organisational Design and Management	MSD - Physical Causes		Auditory and Vocal Ergonomics	Healthcare Ergonomics - symposium
Chairperson	Tamara James & Sue Hignett		Christopher Schlick	Klaus J Zink	Sylvie Leclercq	Matthias Goebel	Giulio Toccafondi	Francis Durso	Gitte Linaard	Owen Evans		Katie Buckley	Janet Anderson
	Community care: Injury risks for patients and staff when care is provided by solo or team working <b>Sue Hignett</b>		Ergonomic Design and Evaluation of a Free-Hand Pointing Technique for a Stereoscopic Desktop Virtual Environment <b>Ronald Meyer</b>	Development of a framework combining continual improvement in health and safety with a HFE systems approach <b>Dave Moore</b>	Development of Mobile Measurement System of Static and Dynamic Coefficient of Friction for Shoe-Floor Interface <b>Kei Shibata</b>	Designing a lessons-learned system integrated in the collective practices of safety management <b>Sandrine Caroly</b>	Novel pulse oximetry sonification for monitoring preterm neonates on oxygen support <b>Kelly Hinckfuss</b>	Human Systems Integration: Research and Promotion <b>Francis Durso</b>	Ethical stakes of corporate governance: ergonomic contributions to organizational redesign aiming at subsidiarity <b>Bernard Dugue</b>	Work-related risk factors for lumbar herniated disc disease: a systematic review of clinical studies <b>Henk Van Der Molen</b>		Using The Method Of Adjustment To Enhance Collision Warning Perception <b>Jesse Eisert</b>	Resilience Engineering and Quality Improvement in Healthcare <b>Janet Anderson</b>  <b>Chiara Santomauro</b>
	Improving quality of care and workflow, by optimising the working conditions - a case study on a Danish Nursing Home <b>Kristina Hallstrom</b>		Ergonomic Development of a Computer Pointing Device - a departure from the Conventional PC Mouse towards CAD Users <b>Denis A Coelho</b>	HFE values for sustainable world: a preliminary demonstration of theory into practice <b>Andrew Thatcher</b>	Evaluation for Slip Resistance of Floor Sheets and Shoe Sole with Newly Developed Mobile Friction Measurement System <b>Kei Shibata</b>	Safety Learning System: reporting work, health and safety in a patient safety system <b>Helen Galindo</b>	The Bariatric Conundrum: Transporting big patients safely in the ambulance service <b>Peter Pollnitz</b>		Work Quality to Redesign Organization <b>Bernard Dugue</b>	Participatory intervention based on objectively measured physical risk factors for musculoskeletal disorders in the construction sector: Study protocol for a cluster randomized controlled trial <b>Pascal Madeleine</b>		Human Perception on Sound Quality of Passenger Vehicles <b>Chia-Fen Chi</b>	<b>Tara McCurdie</b>
	5th National Monitoring of Implementation of the Dutch Ergonomic Guidelines for Practice in Health Care: long term effects of back pain prevention in nursing <b>Hanneke Jacoba J Knibbe</b>			Capacity building for sustainable supply chain management - HFE contributions <b>Klaus Fischer</b>	Study on Rubber Tread Block Design for High Slip Resistance on Liquid-Contaminated Condition <b>Takeshi Yamaguchi</b>	Using Ergonomics to Develop a Positive Safety Culture ("Dumb Ways to Die" or "Smart Ways to Thrive") <b>Ken Horrigan</b>	Risk Assessment for ECMO patients managed in "hub and spoke"• organizational model <b>Giulio Toccafondi</b>			Co-relation of neck Rapid Upper Limb Assessment score with neck pain <b>Deepak Sharan</b>		The Role of Collaborative Engagement to Facilitate Understanding & Change: Vocal Ergonomics with High Performance Basketball Coaches <b>Katie Buckley</b>	
	Developing a worldwide method for cost benefit analysis for safe patient handling interventions, to be completed by safe patient handling practitioners. A pilot study <b>Mike Fray</b>			Corporate sustainability - corporate's perception, historical concepts and contribution of ergonomics <b>Laerte Sznelwar</b>	A comparison of psychophysical assessments and physical slip resistance measurements <b>Richard Bowman</b>	A Macroergonomics Approach to Examining Safety Climate in the Trucking Industry <b>Michelle Robertson</b>	Preliminary results of an exploratory study towards a general task and data model for telemedical visualizations <b>Sabine Theis</b>			Reduced Exposure to Whole Body Vibration Improves Low Back Pain Among Professional Truck Drivers: A Randomized Controlled Trial Study <b>Peter Johnson</b>			
	Goal – Resilience <b>Pippa Wright</b>			Ergonomic as a tool to evaluate and improve the sustainability of the workforce <b>Felipe Meyer</b>	How valid are psychophysical assessments as an indicator of slip resistance? <b>Richard Bowman</b>								

1145-1245 Lunch Level 1 foyer

Friday 14 August 2015 cont...

Venue	Plenary 1	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108	Room 109	Room 110	Room 111	Room 112
1245-1415	Patient Handling Symposium	Working with Computer Systems	CASE STUDIES – Office Work	Human Factors and Sustainable Development	Slips, Trips and Falls – Slips Prevention Workshop		Healthcare Ergonomics – Informatics	Organisational Design and Management – Change Management	Organisational Design and Management – Macroergonomics Intervention	MSD CASE STUDIES - Physically Demanding Work		Healthcare Ergonomics – Designing systems and rehabilitation	
Chairperson	Sue Hignett & Tamara James	Christopher Schlick	Valerie O’Keeffe	Dave Moore	Richard Bowman		Janet Anderson	Ole Broberg	Michelle Robertson	Richard Sutherland		Marijke Melles	
	Functional Healthcare Design for Mobilization and Ergonomics - Based on Patient Mobility <b>Kristina Hallstrom</b>	Persuasive Technology: An Investigation of Efficacy Using Process Tracing <b>Christopher Mayhorn</b>	Incidence and risk factors of work-related low back pain among university office staff <b>Sunisa Chaiklieng</b>	Contributions of ergonomics/human factors to green buildings <b>Andrew Thatcher</b>	Goldilocks, slip resistance and the wicked problem of falls prevention <b>Richard Bowman</b>  Workshop: Falls prevention is a wicked topic <b>Richard Bowman</b>		Laying the foundation for safe placement and fitness for work: a practical application of a system-wide approach to job analysis in a major health organisation. <b>Juliana Portolesi</b>	The impact of organisational changes on work team: consolidation or deterioration? <b>Laetitia Flamard</b>	A Model of Organizational Situation Awareness (SA): Macroergonomic Factors Impacting SA in Organizations <b>Mica Endsley</b>	Design and Technology: evaluation of working postures of manicurists with a full-body measurement system based on inertial sensors <b>Lucas Garcia</b>		Lift that lid, unscrew that cap, pull that straw: the challenges of hospital food and beverage packaging for the older user <b>Alison Bell</b>	
	How is patient handling being integrated into the curriculum of entry-level physical therapy programs? <b>Kathleen Rockefeller</b>	Assessing Individual Differences in a Phishing Detection Task <b>Christopher Mayhorn</b>	Adjustable sit-stand tables in office settings: development of a system for controlled posture changes <b>Dechristian Franasa Barbieri</b>	The Role of Ergonomics in Green Building <b>John Smallwood</b>			Medication Reconciliation: the interplay between regional prescription data and EMR in the reconciliation process <b>Giulio Toccafondi</b>	A constructive and participative approach to organizational analysis and redesign <b>Gianna Carta</b>	Effects of a macroergonomics intervention: Examining the relationship of environmental control <b>Michelle Robertson</b>	Postural discomfort and need for design improvements for sewing machine operators <b>Neha Gahlot</b>		Anthropometric data collections for a hand orthosis design <b>Irene Mujica</b>	
	The State of Mobility Assessments - Use and Relationship to Falls Prevention and Patient Lift Equipment <b>Tamara James</b>	Selecting a suitable technology: it's about people and their tasks <b>Gitte Lindgaard</b>	Predicted physical exposures during computer use were related to neck-shoulder symptoms in a large cohort of office workers <b>Maaike Huysmans</b>	Mental models and users' behaviour towards constructed wetlands in a green building <b>Anastasia Kalantzis</b>			Effect of single room hospital accommodation on staff experiences and the organisation of work <b>Janet Anderson</b>	A macro-ergonomic perspective on analyzing and designing knowledge transfer systems in engineering projects within the oil drilling industry <b>Ole Broberg</b>	Transition from open plan office design, to activity based work <b>David Caple</b>	Ergonomic diagnostics of dentists in the mochis sinaloa mexico, to detect carpal tunnel syndrome <b>Grace Baez Hernandez</b>			
	Effects on Quality of Care and Work of a New Transfer and Repositioning Device on an Intensive Care Unit <b>Hanneke Jacoba J Knibbe</b>	Communication between medical health care professionals in home health care <b>Mikael Blome</b>	Proposal for intervention in company: a study workers with of a road-rail port of one city in the extreme south of Brazil <b>Alexandre Pinto</b>	Innovation diffusion of solar-powered water heaters in small organisations <b>Kelli-Paige Preston</b>			What do junior doctors do during weekend shifts? A time and motion study <b>Melissa Baysari</b>	Transmission under temporal constraint : yearly changeovers in the Antarctic <b>Claire Vanbelle</b>	SPAD-tacular: using the Future Inquiry Workshop to develop industry-level strategy on a wicked problem in Australia and New Zealand <b>Anjum Naweed</b>	Towards a better understanding of the effect of working postures on musculoskeletal symptoms - a longitudinal prospective study <b>Pieter Coenen</b>			
	An evaluation of the biomechanical risks for a range of methods to raise a patient from supine lying to sitting in a hospital bed <b>Mike Fray</b>	Outcome of treatment of work related musculoskeletal disorders in an onsite clinic - a case study in a single IT company <b>Deepak Sharan</b>		The impact of the quality of fluorescent light tubes on performance, work strain and well-being of office workers <b>Matthias Goebel</b>			Validating dialysis patient satisfaction scale by its correlation with healthcare performance indicators <b>Xiuzhu Gu</b>		Using sensemaker® to assess productivity and health outcomes for a new building design and flexible work <b>Wendy Elford</b>				
							Examining patient work: The who, what, where, and why of chronic illness self-care <b>Richard Holden</b>		An approach to make a guideline to support for enhancing resilience in Japanese fitness club <b>Naoto Shoji</b>				
1415-1445	Afternoon tea												

Friday 14 August 2015 cont...

1445-1615	<p>Chairperson: Christina Jonsson</p> <p><b>2025 and Beyond: Future Challenges for Human Factors Societies Around the World Plenary session</b></p> <p>Raising the profile of human factors/ergonomics in Australia: An example illustrating how opinions have been explored within the profession <b>Jennifer Long</b></p> <p>Journal Club - An alternative method for delivering professional development sessions <b>Christine Aickin</b></p> <p>From Human-Centered Design Towards Human-Centered Organization through international standardization <b>Masaaki Mochimaru</b></p> <p>2025 and Beyond: Future Challenges for Human Factors Societies Around the World <b>Patrick Waterson, Michelle Robertson, Sarah Sharples</b></p>	Plenary 1
1615-1700	<p>Congress closing ceremony IEA2018 Launch</p>	

\*This program is current as at 14.8.15 and is subject to change.



19<sup>th</sup> Triennial Congress of the  
International Ergonomics Association  
**Melbourne Convention and Exhibition Centre**  
**MELBOURNE, AUSTRALIA • 9-14 August 2015**

[www.iea2015.org](http://www.iea2015.org)

*Reaching Out*

# IEA 2015 CONGRESS DELEGATE LIST



<b>AUSTRALIA</b>			
<b>FIRST NAME</b>	<b>LAST NAME</b>	<b>POSITION</b>	<b>ORGANISATION</b>
Christine	Aickin	Director	Workability
Ari	Antonovsky	Technical Director	Tech Solutions Australia
Luke	Armstrong	Medical Case Manager	IBM Australia
Robyn	Arvier		Private Practice
Renee	Attwells		Defence Science Technology Organisation
Richelle	Baker		Star Injury Management
Suzanne	Bannerman	Physiotherapist/Ergonomist	Alcoa of Australia
Charlie	Barlow	HFESA Secretariat	Human Factors And Ergonomic Society Of Australia Inc (HFESA)
Angela	Bateman	State Inspector - Ergonomics	WorkCover NSW
Jenny	Bates	WHS Advisor / Ergonomist	Anglicare Southern Queensland
Melissa	Baysari	Senior Research Fellow	Macquarie University
Elaine	Beale		Safe Work Australia
Chris	Bearman	Research Fellow	Central Queensland University
Fiona	Begg	Senior OHS Consultant	Melbourne Health
Alison	Bell	Snr Lecturer	University Of Wollongong
Brian	Bentley	Injury Management Consultant	Brian Bentley Consulting
Josephine	Bills	Director	PhysioLink Pty Ltd
Verna	Blewett	Work Health & Safety	CQ University
Raelene	Bond	Occupational Health Consultant	Bondohc
Greg	Borman		Biosymm
Richard	Bowman	Principal	Intertile Research
Rosey	Boyd	Health & Safety Advisor, Ergo Lead	ExxonMobil
Charlotte	Brakenridge	PhD Student	University of Queensland
Emily	Bright	Country Manager	VARIDESK LLC
Sue	Brouwers	PhD Organisational Psychology Student	Macquarie University
Melinda	Browning	Staff Health And Injury Prevention Physiotherapist	Calvary Health Care
Katie	Buckley	Doctoral Candidate	La Trobe University
Dana	Budzinski	Human Factors Adviser	Woodside
Robin	Burgess-Limerick	Professor of Human Factors	University of Queensland
Larissa	Cahill	Senior Research Scientist	Defence Science & Technology Organisation
Andrea	Cain	Occupational Therapist	Private Practice
David	Caple	Director	David Caple & Associates P/L
Carlo	Caponecchia	Senior Lecturer, School Of Aviation	UNSW
Sheena	Care	Ergonomist	DSTO
Stephanie	Cassidy	Director/ CPE	Productivity Matters
Alice	Cheng	Assistant State Inspector - Ergonomics	WorkCover NSW
Amy	Chung	PhD Candidate	University of New South Wales
Marina	Ciccarelli	Associate Professor	Curtin University
Sarah	Clark	Principal	Workout Preventative Occupational Health Service
Brandt	Clifford	Human Factors Specialist	Sydney Trains
Pieter	Coenen	Post-Doctoral Research Fellow	Curtin University, School of Physiotherapy & Exercise Science
Jemma	Coleman	Research Scientist	DSTO
Robyn	Coman	WHS Program Course Director	University of Wollongong
Pam	Connor	WHS Consultant	ATO
Aileen	Conroy	Staff Health & Injury Prevention Physiotherapist	Calvary Health Care Bruce ACT
Bill	Contoyannis	Forensic Engineer	Dohrmann Consulting

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Margaret	Cook		University of Queensland
Jolene	Cooper	Ergonomics And Rehabilitation Officer	OHS Division University of Queensland
Ron	Cordingley	Director/Principal Consultant	Occupational Risk Control
Diana	Cortes		Silverstone Volvo
Emilia	Costanzo	WHS Advisor	Royal Childrens Hospital
Louise	Coubrough	Ergonomist/Physiotherapist	Alcoa Mining
Kerry	Cowling	Principal Inspector	Workplace Health & Safety Queensland
Belinda	Cox	Principal Consultant	Towards Health
Selby	Coxon	Head Department Of Design	Monash University
Nic	Croce	Practice Leader Research Methods	NSW Trade & Investment
Heather	Dale	Ergonomist & Rehabilitation Consultant	Townsville's Ergonomist
Nathan	Daniell		University of South Australia
Karen	Davies	Director Safety And Wellbeing	Children's Health Queensland Hospital & Health Service
Sheena	Davis	Ergonomics Research Scientist	Defence Science & Technology Organisation
Brooke	Dench		Mater Health Services
Gary	Dennis	Managing Director	Ergoenterprises
Sean	Dillon		Melbourne City Volvo
Philippa	Dodshon	PhD Student	Minerals Industry Safety & Health Centre
Edward	Dohrmann	Managing Director	Dohrmann Consulting
Mark	Dohrmann		Dohrmann Consulting
Ebony	Ebenwaldner		LINAK Australia Pty Ltd
Mark	Edwards	Human Factors Scientist	DSTO
Roxanne	Egeskov	Associate Director, Health, Safety And Environment	Queensland University of Technology
Wendy	Elford	Director	Now To Next
Ben	Elix	Human Sciences Research Scientist	Defence Science & Technology Organisation
Vanessa	Elliott	Managing Director	Soteris
Eleanor	Eshel		In-House OT
Lee	Evans	Director	Thinking Space
Rose-Marie	Evans	Consultant	RTECH Global Services
Owen	Evans	Adjunct Assoc. Professor	La Trobe University
Theresa	Facer		ABS
Mitchel	Farrell	SBU Manager - DESKLINE	LINAK Australia
Maree	Feery	Executive Director Human Resources	Epworth HealthCare
Christine	Fisher	Southern Regional Safety Health & Environment Manager	Woolworths
Mary Claire	Folland		Alba Ergonomics
Rosalind	Forward		WorkSafe WA/SCGH
Kris	Fraser	Senior Advisor - OHS Programs	OHS Division the University of Queensland
Jenny	Fuller	Principal Advisor, Ergonomics	Children's Health Queensland Hospital & Health Service
Alistair	Furnell	Ergonomics Team Leader	DSTO
Helen	Galindo	Manager WorkFit Services	SA Health
David	Gambell		Bilia Hawthorn
Sue	Gardiner	WHS Coordinator	St George Hospital
Angela	Geest		Westpac
Alan	Giles		Retired Member
Gisela	Gmeinder	Education/Ergonomics Consultant	North Metro Health Service
Megan	Green	Physiotherapist	Qld Health Ipswich Hospital
Lenore	Gunning	Director	ACTSAFE Australia



*Reaching Out*

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Donald	Gyles	PhD Candidate	Central Queensland University
Roger	Hall		Human Factors (Ret)
David	Hall		PHW Group
Gabriella	Hancock	Instructor & AEHF Doctoral Student	University of Central Florida
Courtenay	Harris		Curtin University
Samantha	Harrison	WHS Coordinator	Mercy Health
Maureen	Hassall	Assoc Prof Risk	University of Queensland
Stephen	Hehir	Manager, Safe Design	Australia Post
Max	Hely		Office of the National Rail Safety Regulator
Mark	Hennessy	Director	Hennessy Services
Sharon	Herbstreit		David Caple & Associates
Lily	Hirsch	PhD Candidate	CQ University
Tim	Horberry	Associate Director - Human Factors In Transport And Workplace Safety	Monash University Accident Research Centre (MUARC)
Ken	Horrigan	Executive GM	Soteris
Gareth	Hughes	Manager, Human Factors	ASA - TfNSW
Stuart	Hughes	Human Factors Specialist	Asset Standards Authority - TfNSW
Rodney	Hunter	Principal	Hunarch Consulting
Alison	Hunt-Sturman	General Manager, Safety & Wellbeing	Department of Justice & Regulation
Narelle	Hyde		Latrobe Uni Student
Nurul Ikhmar	Ibrahim		University of New South Wales
Jane	Imrie	Health And Safety Specialist	Forestry Corporation
Iman	Iskander	HSE Manager	CSIRO
Heather	Jackson	Manager Mining Industry Assistance Unit	NSW Trade & Investment
Annette	Jakob	Occupational Therapist/OHS Consultant	Compass Health & Safety
Katrina	James	Ergonomist, Health and Safety	Bluescope
Martyn	Johnson		HFESA
April	Jones	Inspector/Scientific Officer	Department of Commerce, WorkSafe Division
Shelley	Joyce	Health & Safety Coordinator	Greenslopes Private Hospital
Theo	Kanellos	Director	Kanellos Consulting
Tuire	Karaharju- Huisman		Victoria University
Eleni	Katsoulis		Aceso Rehabilitation
Tessa	Keegel	Lecturer	La Trobe University
Mary	Kikas	Health, Safety & Wellbeing Advisor	Annecto
Elizabeth	Kirk		Corporate Body Inst
William Allen	Kong	Director	Allen Kong Architect
Oleksandra	Krasnova	PhD Candidate	UNSW
Rohini	Krishnapillai	Health And Safety Manager	IBM Australia
Su Mon	Kway-Myint		Safe Work Australia
Judith	Lauri	Injury Management Consultant	PathWest Laboratory Medicine
Saody	Lee	Evaluator	ReturntoWorkSA
Donna	Lee	Principal Advisor Ergonomics	Workplace Health & Safety Queensland
Jennifer	Legge	Managing Director	JobFit Systems International
Kendal	Leggett	Safety Principle	Aurizon
Jay	Lewis	Principal Inspector	WorkCover NSW
Gitte	Lindgaard	Professor Strategic Design	Swinburne University Of Technology
Ron	Lo		Curtin University
Raymond	Lo	Physiotherapist	Ergolutions
Jennifer	Long	Conjoint Senior Lecturer	University of New South Wales

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Airdrie	Long	Senior Human Factors Specialist	Transport for NSW
Michelle	Low	Senior Ergonomics Officer	Queensland University of Technology
Justin	Ludcke	General Manager	InterSafe
Marcia	Lusted	Consultant	Ergonomics Aust P/L
Margareta	Lutzhoft	Deputy Director, National Centre For Ports And Shipping	Australian Maritime College, University of Tasmania
Danellie	Lynas	Research Fellow	Minerals Industry Safety & Health Centre, University of Queensland
Ismail	Maakip	PhD Candidate	La Trobe University
Wendy	Macdonald	Adjunct Professor	La Trobe University
Martin	Mackey	Course Director, Physiotherapy	University of Sydney
Catherine	MacMillan		APM
Jean	Mangharam	Principal Scientific Officer/Inspector (Human Factors And Ergonomics)	WorkSafe WA
Damian	Mann		Biosymm
Janelle	Mann	Physiotherapist	Biosymm
Christine	Marks		
Pepe	Marlow	WHS Manager	TAL
Stuart	Marshall		Monash University
Nita	Maynard	Director Ergonomics Unit	Workplace Health & Safety Queensland
Lynn	McAtamney	Senior Consultant	ATUNE Health Centres
Liam	McClory	Health Advisor	BAE Systems
Daniel	McCloskey		Altitude Volvo
Tara	McCurdie		University of Queensland
Fiona	McDonald	Ergonomist	Absolute Injury Solutions
David	McFarlane	Retired	Retired
Mia	McLanders	PhD Candidate, Cognitive Psychology	University of Queensland
Barbara	McPhee	Principal Consultant	Jim Knowles Group
Celia	Medina	Consultant	People Impact
Brett	Meehan	Ergonomist/Physiotherapist	Alcoa World Aluminum
Jenni	Miller		Ergonomica
Rebecca	Mitchell	Associate Professor	Macquarie University
Melissa	Mitchell		Melbourne Health
Anne	Mok	Medical Director, Work Health & Safety	HealthShare NSW
George	Molk	Account Manager	Hill-Rom
Richard	Molloy	Ergonomics Specialist	Toyota
Helen	Moody	Occupational Therapist/Ergonomist	CHG
Helen	Mott		WorkSafe
Neelam	Naikar	Senior Research Scientist	Defence Science And Technology Organisation
Anjum	Naweed	Senior Research Fellow	Central Queensland University
Kylie	Newton	Practice Leader Health And Human Factors	NSW Trade & Investment
Kim	Ng		University of Queensland
Jodi	Oakman	Senior Lecturer	La Trobe University
Valerie	O'Keefe	Research Fellow	University of South Australia
Justin	O'Sullivan	Ergonomist	Ergowork
Cecile	Paris	Science Leader	CSIRO
Lucy	Parrington	Research Fellow	Swinburne University Of Technology
Michael	Pascale		University of Queensland
Gunther	Paul		QUT
Sara	Pazell	Occ Advisor: Human Factors & Ergonomics	Viva! Health At Work

*Reaching Out*

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Michelle	Pereira	PhD Candidate	University of Queensland
Andrew	Petersen	Principal Ergonomist	WELL Australia
Sharonne	Phillips		Occupational Ergonomics P/L
David	Pickett	Technical Manager	Volvo Car Australia
Wendy	Pietrocola	Consultant Ergonomist	Ergonomica
Peter	Pollnitz	Principal WorkFit Services Consultant	SA Ambulance Service
Kate	Ponton		DSTO
Juliana	Portolesi	WorkFit Services Physiotherapist	WorkFit Services, SA Health
Rodney	Powell	Senior Scientific Officer	WorkSafe WA
Marisol	Quintero Duran	Student	Queensland University of Technology
Azizur	Rahman	PhD Candidate	Swinburne University of Technology
Ram	Rai	Business Development Manager	Hill-Rom Pty Ltd
Gemma	Read		Centre for Human Factors & Sociotechnical Systems / Monash University
Paul	Roberts		Thinking Space Systems
Shaun	Robertson	Senior Consultant	Interfleet
Andrea	Roelofs	Consultant	People Impact
Laura	Rostron	National Injury & Rehabilitation Manager	Regis Aged Care
Paul	Rothmore	Senior Lecturer	University of Adelaide
Deidre	Rutherford	Principal Advisor Ergonomics	Workplace Health & Safety Queensland
Chiara	Santomauro	PhD Student	University of Queensland
Andrea	Shaw	Timor-Leste Country Manager	St John of God Health Care
Amy	Simpson	Ergonomist	Defence Science & Technology Organisation
Lizzy	Smith		Airservices Australia
Gosia	Speed	WorkFit Services Consultant	SA Health
Stuart	Steele	WHS Consultant	ATO
Troy	Sterling		Melbourne City Volvo
Kristy	Stewart	WHS Consultant	ATO
Andrea	Stone	Student	Latrobe University
Leon	Straker	Technology, Activity And Musculoskeletal Disorders Group Leader	Curtin University
Rwth	Stuckey	Senior Lecturer, Ergonomics, Safety & Health	La Trobe University
Richard	Sutherland		Airservices Australia
Vee Lyn	Tan	Health And Safety	Epworth Healthcare
Amina	Tariq	Postdoctoral Research Fellow	Macquarie University
Michael	Terry		Momentum Safety & Ergonomics
Murray	Terwey	Master Of Philosophy Student	University of NSW
Sarah	Thompson	Work Health & Safety Manager	Epworth HealthCare
Trudy	Tilbury	Human Factors Advisor	DNRM
Sharon	Todd	CPE Ergonomist	Soundhealth
Adrienne	Tracy	Director & Principal Occupational Health & Ergonomics Consultant	Tracy Consulting Services
Alanna	Treadwell	Research Scientist	Centre For Cognitive Work and Safety Analysis (CWSA), Defence Science and Techno
Joakim	Trygg Mansson		University Of Tasmania, Australian Maritime College
Raymond	Tunks	Health, Safety & Environment Advisor	CFA
Simon	Turner	Senior Engineer – Human Factors & System Safety	Boeing Defence Australia
Donna	Valiant	Occupational Physiotherapist/ Ergonomist	CIM Health

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Daisy	Veitch		TU Delft
Anita	Vuckovic	Human Factors Manager	Thales Australia
Nicole	Walters	Consultant	Safety Strategies Facilitation
Stephen	Ward	Senior Lecturer	University of New South Wales
Sara	Warren	Senior Consultant	Pinnacle Workplace Consultants
Victoria	Weale		La Trobe University
Maree	Webber	Occupational Health Physiotherapist	Maree Webber Rehabilitation Service
Fiona	Weigall		Health & Safety Matters
Diana	Welsh	Occupational Therapist	Injury Management Coordinator
Johanna	Westbrook	Director	Macquarie University
John	Whale	SHE Manager	BAE Systems Maritime
Louise	Whitby	Director	Louise Whitby & Associates PL
Mark	Wiggins		Macquarie University
Cara	Williams		Rehab Management
Julie	Willmer	Physiotherapist	SA Health
Lisa	Wise	Senior Lecturer In Psychology	Swinburne University of Technology
Pippa	Wright	Director	Preventative Injury Planning P/L
Andrew	Wright		WrightMoves / UNSW
Anne	Wyatt	Director	Beyond Bullying

#### ALGERIA

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Lahcene	Bouabdellah	Head Of Human Resource Development Centre	Mohamed Lamine Debaghine Setif University
Bouhafs	Mebarki	Head Of Ergonomics Laboratory	University Of Oran 2

#### AUSTRIA

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Georg	Effenberger		Austrian Ergonomic Society/Austrian Workers Compensation Board
Bernhard	Schwartz	Research Associate	University of Applied Sciences Upper Austria
Michael	Wichtl	Ergonomist	Austrian Ergonomics Society/Austrian Workers Compensation Board

#### BAHRAIN

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Mohamed	Mokdad	Lecturer	University Of Bahrain

#### BELGIUM

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Mieke	De Bruyne		Ghent University / Ghent University Hospital
Dirk	Delaruelle	Head Of Ergonomics Department	Mensura
Roeland	Motmans		Colruyt Group
Sofia	Scataglini		Royal Military Academy
Pierre	Van Amelsvoort		KU Leuven - CeSO - BE0419.052.173
Geert	Van Hootegem	Full Professor	Katholieke Universiteit Leuven Centre for Sociological Research
Mieke	De Bruyne		Ghent University / Ghent University Hospital
Dirk	Delaruelle	Head Of Ergonomics Department	Mensura
Roeland	Motmans		Colruyt Group
Sofia	Scataglini		Royal Military Academy

*Reaching Out*

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Pierre	Van Amelsvoort		KU Leuven - CeSO - BE0419.052.173
Geert	Van Hootegem	Full Professor	Katholieke Universiteit Leuven Centre for Sociological Research

**BRAZIL**

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Mateus	Abraçado	Researcher	Federal University of Rio De Janeiro
Mariana Vieira	Batistão	PhD Student	Federal University of Sao Carlos (UFSCar)
Ivan	Bolis		Universidade De Sao Paulo
Joao	Camarotto	Teacher	Federal University of Sao Carlos
Rodolfo	Costa	Safety Tech	IBM
Vívian	Dantas De Souza	Doctor	Klabin
Anderson	De Lima	MSc Student	UFRJ
FRANCISCO	DUARTE	Professor	Federal University of Ro De Janeiro
Jansen	EstrAzulas	Professor	Universidade Do Estado Do Amazonas - UEA
Fernanda	Ferreira		Universidade Federal De Santa Catarina
Daniela	Fischer		
Dechristian	Franca Barbieri	PhD Student	Federal University of Sao Carlos
Sandra	Gemma	Professor	UNICAMP
Fernando	Gonçalves Amaral		Universidade Federal Do Rio Grande Do Sul
Bianca	Gruginski	Masters Student	Department Of Production Engineering, Federal University Of Santa Catarina
Marina	Holanda Kunst	Graduada	Universidade Federal Rural De Pernambuco
Uiara	Montedo		Polytechnic School / University of Sao Paulo
Eduardo	Myung	IDC Student	Faculty of Medical Sciences of Santa Casa De São Paulo
Paulo Antonio	Oliveira		ABERGO
Gracielle Aparecida	Orlando Bortolotto	Safety Engineering	Industry Social Service (SESI)
Angela	Poletto	Professor	Instituto Federal De Santa Catarina - IFSC
Bruna	Prado		UNESP - Univ Estadual Paulista
Paulo Victor	Rodrigues De Carvalho		Instituto De Engenharia Nuclear
Maria Christine	Saldanha		Universidade Federal Da Paraíba
Tatiana	Sato	Professor	Federal University of Sao Carlos
Talita	Silva		UFSCar/UFMG
Laerte Idal	Sznelwar	Professor Livre Docente	Escola Politecnica - University Of Sao Paulo

**BRUNEI DARUSSALAM**

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Vivian	Tie Suk Kee	Head Of Department Of Rehab And Physiotherapist	Jerudong Park Medical Centre

**CANADA**

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Rachid	Aissaoui	Professor	École De Technologie Supérieure
Keefe	Allan	Defence Scientist	Defence Research & Development Canada
Bénédicte	Calvet	Ph.D.Candidate	Université du Québec à Montréal
Alain	Delisle	Professor	Université de Sherbrooke
Éric	Desire	Student	EI-CESI(France) & École De Technologie Supérieure
Margo	Fraser	Ergonomics Consultant	Margo Fraser, Ergonomics Consultant

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Stephane	Halle	Associate Professor	Ecole De Technologie Superieure
Nastasia	Iuliana	Researcher, Assistant Professor	IRSST Institut De Recherche En Santé Et En Sécurité Du Travail
Jennifer	Kenny	Ergonomics Consultant	WorkSafeNB
Pierre-Olivier	Lemieux	Post-Doctoral Student	Ecole De Technologie Superieure
April	Liu		University of Saskatchewan
Sylvie	Nadeau	Full Professor	École De Technologie Supérieure
Patrick	Neumann	Associate Professor	Ryerson University
Alison	Novak	Post Doctoral Fellow	Toronto Rehabilitation Institute
Abigail	Overduin	Ergonomics Advisor	UBC
Jake	Pauls		Jake Pauls Consulting Services
Andre	Plamondon	Researcher	IRSST
Jim	Potvin		McMaster University
Peter	Sheahan	Master's Student	Queen's University
Susan	Stock	Medical Advisor; Clinical Professor	Institut National De Santé Publique Du Québec : University Of Montreal
Milène	Tanguay	Ergonomist	IBM Canada
Bryan	Trudel	Professor	Université du Québec en Abitibi- Témiscamingue
Steve	Vezeau	Director	Groupe 3D, UQAM

#### CHILE

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Eduardo	Cerda		University of Chile
Fabiola	Maureira	Professor Assistant	Universidad De Concepcion
Felipe	Meyer		Massey University / University of Concepcion
Walter	Muñoz Barría	Ingeniero En Prevención De Riesgos	Gendarmería De Chile

#### CHINA

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Xingyu	Chen	Assistant Professor	Shenzhen University
Shengxiang	Chen		Shenzhen Prevention & Treatment Center for Occupational Diseases
Wang	Chuan	Naval Medical Research Institute	Naval Medical Research Institute
Li	Ding		BeiHang University
Chang	Ge	Lecturer	Xi'an University Of Technology
Lihua	He		Peking University Health Science Center
Zhimin	Li		Shenzhen Prevention & Treatment Center for Occupational Diseases
Yanzhi	Liu		Shenzhen Prevention & Treatment Center for Occupational Diseases
Jing	Qiu		University of Electronic Science & Technology of China
Weina	Qu	Assistant Professor	Institute of Psychology, Chinese Academy of Sciences
Li Ming	Shen	Party Secretary	Nanjing Forestry University
Yu	Sun	School of Mechanical Engineering	Xi'an University of Science & Technology
Lijing	Wang		BeiHang University
Chi Ming	Wong	Occupational Therapist	Hospital Authority Hong Kong
Yanfei	Xie	Research Student	Hong Kong Polytechnic University
Qing	Ye		BeiHang University

*Reaching Out*

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Na	Yu		Institute of Ergonomics, Faculty of Furniture & Industrial Design
Wei	Zhang	Associate Chair Of Dept	Tsinghua University
Chunqiang	Zhang	Director	Xi'an University of Technology
Jing	Zhang		BeiHang University
Wenguo	Zhao		Institute of Psychology, Chinese Academy of Sciences
Yan	Zhao	Teaching Assistant	Luxun Academy Of Fine Arts

**COLOMBIA**

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Diana Maria	Alvarez Dominguez		Pontificia Universidad Javeriana
Lope	Barrero	Associate Professor	Pontificia Universidad Javeriana
Emilio	Cadavid	Medical Specialist	Empresas Publicas De Medellin
Carmina	Perez Restrepo		Junta Regional Calificacion Invalidez Antioquia Colombia
Jean Alexander	Pulido Saenz	PhD Candidate	Pontificia Universidad Javeriana
Leonardo Augusto	Quintana Jimenez		Pontificia Universidad Javeriana
Jessica	Rasmussen	Estudiante	Pontificia Universidad Javeriana
Estefany	Rey	Research Assistant	Pontificia Universidad Javeriana
Andres Camilo	Rodriguez Escallon	Research Assistant	Pontificia Universidad Javeriana
Luz Mercedes	Saenz		Universidad Pontificia Bolivariana
Sandra Alette	Yepes Yepes		Junta Regional De Calificacion De Invalidez De Antioquia

**DENMARK**

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Signe	Bergmann	Senior Consultant	Danish Association of Managers & Executives
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Carolina	Conceicao	Researcher	Technical University of Denmark
Sisse	Grøn	Senior Researcher	Team Worklife
Annette	Hoffmann	Senior Adviser	Confederation of Danish Industry
Andreas	Holtermann		National Research Centre for the Working Environment
Christine	Ipsen	Associate Professor	Technical University Of Denmark
Per Langaa	Jensen	Professor, DTU Management Engineering	DTU, Technical University Of Denmark
Mette	Korshøj	PhD Student	National Research Centre for the Working Environment
Pascal	Madeleine	Professor	Aalborg University
Charlotte	Rasmussen	PhD Student	National Research Centre for the Working Environment
Afshin	Samani	Associate Professor	Aalborg University
Rikke	Seim		Technical University of Denmark
Kaare	Soerensen	Adviser	Confederation of Danish Industry
Morten	Villumsen		Center for Sensory-Motor Interaction (SMI), Department of Health Science & Tec

## ECUADOR

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## FINLAND

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## FRANCE

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Flore	Barcellini		Cnam-CRTD
Pascal	Béguin	Full Professor	Université De Lyon
Sylvain	Biquand		Abilis Ergonomie
Nathalie	Bonnardel	Full Professor	Aix-Marseille Université, PsyCLE
Eric	Brangier	Faculté Des Sciences Humaines Et Sociales	Université De Lorraine
Violaine	Bringaud	Research Engineer	EDF R&D
Philippe	Cabon	Associate Professor	University Paris Descartes
Sarah	Carminati		Irsn
Sandrine	Caroly	Laboratory Pacte	University Of Grenoble
Gianna	Carta		Conservatoire National des Arts et Métiers
Lefrancois	Céline		Ergonova
Marianne	Cerf	Senior Researcher	INRA
Sarah	Couillaud		University of Paris 8
Stanislas	Coux	Researcher	EDF Recherche & Développement, Management Des Risques Industriels
Nathalie	De Beler	Researcher	EDF
Cecilia	De La Garza	Senior Researcher	EDF R&D
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Myriam	El Jaafari	Ergonomist	Renault S.A
Pierre	Falzon		CNAM
Laetitia	Flamard		CNAM
David	Hartnagel		IRBA
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*Reaching Out*

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Adriana	Savescu	Researcher	INRS
Camille	Thomas	PhD Student	CNAM
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Claire	Vanbelle		CNAM
Christine	Vidal-Gomel	Associate Professor	Universite De Nantes
Folcher	Viviane	Assistant Professor	University Paris 8
Peter	Wagstaff	Consultant Engineer	CEREMH
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**GERMANY**

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Thomas	Finsterbusch	Teamleiter Entwicklung MTM-Bausteinsysteme	Deutsche MTM-Vereinigung E.V. (MTM-Institut)
Klaus	Fischer		Institute For Technology & Work, University Of Kaiserslautern
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Sinem	Kuz	Deputy Head	RWTH Aachen
Ingmar	Langer	Research Associate	Technische Universität Darmstadt - Institute Of Ergonomics And Human Factors
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Marius	Oberle	Research Associate	Institute Of Human Factors & Ergonomics
Matthias	Pfromm	Research Associate	TU Darmstadt
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FIRST NAME	LAST NAME	POSITION	ORGANISATION
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#### HONG KONG

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Donald	LUI		Hong Kong Polytechnic University
Chi Fan	Ng	Occupational Hygienist	Labour Department, HKSAR
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#### INDIA

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Prabhanjan	Pranav	Assistant Professor	North Eastern Regional Institute of Science & Technology
Bini	Sam	Associate Professor	Kerala Agricultural University
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#### INDONESIA

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Emma	Bagnato	Eur.Erg., MD	A.S.A. Srl
Lidia	Ghibaudo		Fiat Chrysler Automobiles
Silvana	Salerno		ENEA- National Agency for New Technologies, Energy & Sustainable Economic Deve
Leonardo	Sorelli		Net Congress for SIE and IEA 2018
Stefania	Spada	Ergonomics Manager	Fiat Chrysler Automobiles
Isabella Tiziana	Steffan	Owner	Studio Steffan
Giulio	Toccafondi		IEA 2018
Francesca	Tosi		IEA 2018
Francesco	Violante	Director Of Occupational Health Unit	University of Bologna Sant'Orsola Malpighi Hospital

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Fukuyo	Honda	Professor	Faculty of Medical Science & Welfare, Tohoku Bunka Gakuen University
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Kenji	Itoh	Professor	Tokyo Institute of Technology
Takumi	Iwaasa	Graduate Student	Juntendo University
Hiroyuki	Izumi	Associate Professor	University of Occupational & Environmental Health
Shino	Izutsu	Associate Professor	Japan Women's College of Physical Education
Akari	Kagimoto	Research Student	Graduate School of Human Life & Science, Doshisha Women's College
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Takeyoshi	Kaminishizono	Professor	Niigata University Of International And Information Studies
Yujiro	Kawata	Associate Professor	Juntendo University

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Natsuki	Miyata		National Institute of Advanced Industrial Science
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Yuki	Mizuno	Lecturer	Toyo Gakuen University
Masaaki	Mochimaru	Director	Human Informatics Research Institute, AIST
Yoko	Morita		Japan Women's College of Physical Education
Satoshi	Muraki	Associate Professor	Kyushu University
Mitsuo	Nagamachi	Professor Emeritus	Hiroshima University
Takayuki	Nagasaki		Kyushu University of Nursing & Social Welfare
Yutaka	Nakajima	Guraduate Student	Juntendo University
Miwa	Nakanishi	Associate Professor	Keio Univ., Fac. of Science & Technology
Iiji	Ogawa	Professor	Teikyo Univ. of Sci.
Takeki	Ogitsu	Assistant Professor	Tokyo University of Science
Hiroshi	Ohara		Katsushika Co.
Michiko	Ohkura	Professor	Shibaura Institute Of Technology
Mieko	Ohsuga		Osaka Institute of Technology
Katsunori	Okajima	Professor	Yokohama Natonal University
Shino	Okuda	Associate Professor	Doshisha Women's College of Liberal Arts
Toshihisa	Sato	Team Leader	National Institute Of Advanced Industrial Science And Technology (AIST)
Kei	Shibata	Assistant Professor	Tohoku University
Takashi	Shibata	Associate Professor	Tokyo University of Social Welfare
Naoto	Shoji		Juntendo University Graduate School of Health & Sports Science
Hisamune	Shuji	Professor	Takasaki City University Of Economics
Norihide	Tachi		Chubu University
Akiko	Takahashi	Reseacher	JNIOOSH
Yuzo	Takahashi		Hiroshima City University
Hideko	Takahashi	Graduate Student	Juntendo University
Takashi	Toriizuka	Professor	Nihon University
Hisatoshi	Ueda	Professor	Morinomiya University of Medical Sciences
Chikamune	Wada	Associate Professor	Kyushu Institute of Technology
Yasuyuki	Yamada	Assistant Professor	Juntendo University Graduate School of Health & Sports Science
Kosuke	Yamada		Saga University
Takeshi	Yamaguchi	Associate Professor	Tohoku University
Keisuke	Yao		Keio University
Hiroko	Yasu		Human Centered Design Organization
Daigoro	Yokoyama		Keio University

## LEBANON

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## MALAYSIA

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Martin	Helander	Principal Scientist	Damai Sciences
Halimahtun	Mohd Khalid	President	Damai Sciences
Nur Syazwani	Mohd Nawī	Student	Universiti Kebangsaan Malaysia
Jafri	Mohd Rohani	Head Of Industrial Engineering Program	Universiti Teknologi Malaysia
Shamsul Bahri	Mohd Tamrin	Head Of Occupational Safety And Health	Faculty Of Medicine And Health Sciences
Ezrin Hani	Sukadarin		University Malaysia Pahang
Fauzi	Yahaya	Senior Director	MIMOS Berhad

## MEXICO

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Enrique Javier	De La Vega Bustillos	PROFESSOR	Instituto Tecnológico De Hermosillo
Francisco Octavio	Lopez Millan	Professor	Instituto Tecnológico De Hermosillo
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## NETHERLANDS

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Jan	Dul		Rotterdam School of Management, Erasmus University
Richard	Goossens		TU Delft
Lye	Goto	PhD	Delft University of Technology
Maaïke	Huysmans	Senior Researcher	VUmc
Hanneke Jacoba J	Knibbe	Researcher	LOCOmotion
Ernst A.P.	Koningsveld	Retired European Ergonomist; Personal Coach	Competenzijn.NI
Marijke	Melles		Delft University of Technology
Johan FM	Molenbroek	Assoc Professor	TU Delft
Ruud	Pikaar	Managing Director, Senior Consultant	ErgoS Human Factors Engineering
Allard	Van Der Beek	Vice-Head Department	Department of Public & Occupational Health, EMGO+ Institute, VU University Med
Henk	Van Der Molen	Researcher	Coronel Institute Of Occupational Health

## NEW ZEALAND

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Liz	Ashby		Auckland University of Technology
Tim	Bentley	Director, Future of Work Programme	AUT University
Mark	Boocock	Associate Professor	AUT
Karl	Bridges	Director	HFEx Ltd
Jane	Cowan-Harris	Workplace Wellness Consultancy Owner	Workspace IQ
Sarita	Dara	Advisor, Clinical Knowledge Translation And Branch Medical Advisor	Accident Compensation Corporation
Frank	Darby	Technical Leader	Worksafe New Zealand

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Rachel	Dykes	Ergonomist	Rachel Dykes Ergonomics
Nikki	Edge	Occupational Health & Safety Nurse Consultant	Leading Edge Health & Safety
Marion	Edwin	Ergonomist / Director	Optimise Ltd
Kristen	Gawn	Occupational Health Nurse	Human Factors & Ergonomics Society NZ
Nicola	Green		Ergonomics, Work & Health
Deak	Helton	Professor	University of Canterbury
Stephen	Legg	Director Centre For Ergonomics	Centre for Ergonomics, Occupational Safety & Health, Massey University
Hamish	Mackie	Director	Mackie Research & Consulting
Sarah	Mahoney		Good Use Company
Kim	Martin	Occupational Health Nurse	Auckland University of Technology
Kirsten	Olsen	Senior Lecturer	Massey University
Jane	Pierce		Work Recovery
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Kyle	Wilson	Consultant	HFEx Ltd
Andrew	Wilson		OAW

#### NIGERIA

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Olawale	Raji		Ladoke Akintola University

#### NORWAY

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Magne	Helland	Docent / Associate Professor	Buskerud & Vestfold University College
Bodil	Helland	Senior Lecturer / Optometrist	Buskerud & Vestfold University College

#### PHILIPPINES

FIRST NAME	LAST NAME	POSITION	ORGANISATION
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Rosemary	Seva	Dean	De La Salle University
Jazmin	Tangsoc	Assistant Professor	De La Salle University Manila

#### POLAND

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#### PORTUGAL

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## SINGAPORE

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## SOUTH AFRICA

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Divia	Riga	Student	University of the Witwatersrand
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Byung-Chan	Min		Hanbat National University
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Diana	Underwood	President	WorkWell
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## SPAIN

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## SWEDEN

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Mikael	Blomé		Lund University
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Jorgen	Eklund		KTH Royal Institute of Technology
Mikael	Forsman		Karolinska Institutet
Per	Gustafson		Lund University

FIRST NAME	LAST NAME	POSITION	ORGANISATION
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Marina	Heiden	Senior Lecturer	University of Gavle
Faramarz	Helali	Guest Researcher	Luleå University of Technology
Hillevi	Hemphälä	Researcher	Lund University
Gerd	Johansson	Professor	Lund University
Christina	Jonsson	Head Of Unit	Swedish Work Environment Authority
Roland	Kadefors		Department Of Sociology And Work Science, University Of Gothenburg
Johan	Karlton	Assistant Professor	School of Engineering, Jonkoping University
Anette	Karlton	Assistant Professor	Dep of Industrial Engineering & Management Jonkoping University
Aditi	Kataria	Research Associate	World Maritime University
Per	Lindberg	Ass. Professor	University of Gavle
Kersti	Lorén		Swedish Work Environment Authority
Peter	Lundqvist	Professor	Swedish University Of Agricultural Sciences
Steven	Mallam	PhD Student	Chalmers University of Technology
Svend Erik	Mathiassen		University of Gavle
Kerstin	Nilsson		Swedish University of Agricultural Sciences & Lund University
Lena	Nord Nilsson	PhD Student	Royal Institute of Technology
Erik	Ohlson		Chalmers University of Technology
Peter	Palm	Phd Student	Department Of Medical Sciences Occupational & Environmental Medicine
Lena	Petersson	Ph D Student	Lund University
Stefan	Pinzke	Researcher	Swedish University of Agricultural Sciences
Ida-Märta	Rhén	Ergonomist, Phd-Student Chalmers Technical University	Centre for Occupational & Environmental Medicine, Fraunhofer Chalmers Centre
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John	Sjöström		IVL Swedish Environmental Research Institute
Minke	Wersall		Swedish Work Environment Authority
Viveca	Wiberg	Ergonomist	Swedish Work And Environment Authority
Kay	Wilson	Ergonomist	IPSOTEC AB

#### SWITZERLAND

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Maggie	Graf		Swiss Department Of Labour SECO

#### TAIWAN

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Chian-Huei	Chen	Graduate Student	National Tsing Hua University
Hsieh-Ching	Chen		National Taipei University of Technology
Chien-Hsiung	Chen	Professor	National Taiwan University of Science & Technology
Chia-Fen	Chi		National Taiwan University of Science & Technology
Yu-Hung	Chi		R.O.C. Air Force Academy



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Ren-Liu	Jang		Ming Chi University of Technology
Chane-Yu	Lai	Associate Professor	Department of Occupational Safety & Health
Cheng-Lung	Lee		Chaoyang University of Technology
Ray	Lin	Assistant Professor	Yuan Ze University
Yen-Hui	Lin	Professor	Chung Shan Medical University
Cheng-Jhe	Lin	Assistant Professor	National Taiwan University of Science & Technology
Po-Hung	Lin		Huafan University
Chiuhsiang	Lin		National University of Science & Technology
Kang-Hung	Liu	PhD Student	National Tsing Hua University
Cheng-Li	Liu		Vanung University
Li-Wen	Liu		Institute Of Labor, Occupational Safety And Health, Ministry Of Labor
Jun-Ming	Lu	Contract Assistant Professor	National Tsing Hua University, Taiwan
Chihwei	Lu	Associate Professor	Taiwan
Shih-Yi	Lu		Chung Shan Medical University
Yang-Kun	Ou		Southern Taiwan University Of Science & Technology
Hsin-Chieh	Wu		Chaoyang University of Technology

### THAILAND

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### TURKEY

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### UK

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Roger	Haslam	President	Loughborough University
Sue	Hignett	Professor Of Healthcare Ergonomics & Patient Safety	Loughborough University
Rob	Houghton	Lecturer	University Of Nottingham
Alexandra	Lang	Research Fellow	University Of Nottingham
Al	Ross		University of Glasgow
Sarah	Sharples	Professor of Human Factors	University of Nottingham
Martin	Thody	Technical Director	Humanomix Limited
Patrick	Waterson	Reader	Loughborough University
Janet	Anderson	Senior Lecturer	King's College London
Mike	Fray	Lecturer	Loughborough Design School

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Roger	Haslam	President	Loughborough University
Sue	Hignett	Professor Of Healthcare Ergonomics & Patient Safety	Loughborough University
Rob	Houghton	Lecturer	University Of Nottingham
Alexandra	Lang	Research Fellow	University Of Nottingham
Al	Ross		University of Glasgow
Sarah	Sharples	Professor of Human Factors	University of Nottingham
Martin	Thody	Technical Director	Humanomix Limited
Patrick	Waterson	Reader	Loughborough University

## USA

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Stephen	Bao	Senior Epidemiologist/Ergonomics	Washington State Department of Labor & Industries
M. Kathryn	Bleckley	Research Psychologist	FAA/CAMI
Renaldo	Blocker	Assistant Professor/Associate Consultant	Mayo Clinic
James	Borchardt	Managing Consultant/Principal	Construction Ergonomics LLC
Guy Andre	Boy	Director	Florida Institute of Technology
Bruce	Bradtmiller	President	Anthrotech
Barrett	Caldwell	Professor And Director	Purdue University
Wen-Ruey	Chang	Scientist	Liberty Mutual Research Institute For Safety
Ann Marie	Dale	Assistant Professor	Washington University School of Medicine
Victor	Duraj		University of California, Davis
Francis	Durso	Professor	Georgia Institute Of Technology
Tristan	Endsley		Pennsylvania State University
Mica	Endsley	President	SA Technologies, Inc
Andris	Freivalds	Professor	Penn State University
Sean	Gallagher	Associate Professor	Auburn University
Richard	Gardner	Technical Fellow	Boeing Company
Arun	Garg	Professor	University Of Wisconsin-Milwaukee
David	Gilkey		Colorado State University
Rush	Green	Associate Technical Fellow - Human Factors	Boeing Company
Joel	Haight	Associate Professor Of Industrial Engineering	University of Pittsburgh
Peter	Hancock	Distinguished Research Professor	University of Central Florida
Carisa	Harris Adamson		University of California at Berkeley
Richard	Holden	Assistant Professor	Indiana University
William	Horrey		Liberty Mutual Research Institute for Safety
Hongwei	Hsiao	Branch Chief	NIOSH
Kyle	Hultgren		Purdue University - College of Pharmacy
Andrew	Imada	Past President	IEA
Tamara	James	Ergonomics Director	Duke University And Duke Medicine
Myounghoon	Jeon	Assistant Professor	Michigan Technological University
Matthew	Jesso	Graduate Researcher	George Mason University
Peter	Johnson	Associate Professor	University of Washington
Monica L.H.	Jones	Assistant Research Scientist	University of Michigan Transportation Research Institute
David	Kaber	Professor	NC State University
Jay	Kapellusch	Professor	University Of Wisconsin - Milwaukee
So Young	Kim		General Electric Global Research

*Reaching Out*

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Brian	Kleiner	Director And Professor	Virginia Tech
Steven	Lavender	Associate Professor	Integrated Systems Engineering & Orthopaedics
Bridget	Lewis	Graduate Student	George Mason University
Yulan	Liang	Research Scientist	Liberty Mutual Research Institute For Safety
Bernard	Martin	Associate Professor	University Of Michigan
Christopher	Mayhorn	Professor	North Carolina State University
Andrew	Merryweather	Assistant Professor	University of Utah
Kimberly	Monroe		KM Ergonomics, LLC
Kathleen	Mosier	Professor	San Francisco State University
Dan	Nathan-Roberts		San Jose State University
Ian	Noy	VP & Director	Liberty Mutual Research Institute for Safety
Gary	Orr	Ergonomist	US Dept of Labor
Carl	Pankok		North Carolina State University
Matt	Parkinson		Penn State University
Sudhakar	Rajulu	Technical Manager, Anthropometry And Biomechanics Facility	NASA-Johnson Space Center
Matthew	Reed		University Of Michigan
David	Rempel	Director, Ergonomics Program	University of California
Michelle	Robertson	Research Scientist	Liberty Mutual Research Institute for Safety
Kathleen	Rockefeller	Associate Professor	Nova Southeastern University
Tracy	Sanders	Graduate Researcher	University of Central Florida
Ben D.	Sawyer		University of Central Florida
Barbara	Silverstein	Research Director	French Loop Associates
Thomas	Smith	Research Associate	University of Minnesota
Peregrin	Spielholz		The Boeing Company
Carol	Stuart-Buttle		Board of Certification in Professional Ergonomics
Wei	Tan	Student	Florida Institute of Technology
Ellen	Taylor	PhD Student	Loughbrough University
Ornwipa	Thamsuwan	Student	University of Washington
Rupa	Valdez	Assistant Professor	University of Virginia
Santosh	Verma	Senior Research Scientist	Liberty Mutual Research Institute for Safety
Michael	Wogalter	Professor Emeritus	North Carolina State University
Laurie	Wolf	Operational Excellence	Barnes-Jewish Hosptial
Jason	Wong	Associate Director	Office of Naval Research Global
Allen	Yagjian	Specialist	Bayer Healthcare
Denny	Yu		Mayo Clinic
Ziqing	Zhuang	Team Leader	NIOSH/NPPTL

**VENEZUELA**

FIRST NAME	LAST NAME	POSITION	ORGANISATION
Acran	Salmen Navarro		Ergonomia Venezuela

# **Report and recommendations for the IEA Executive on the Triennial Congress of the International Ergonomics Association**

The Triennial Congress is the highlight of the IEA and each Executive. It provides members with a platform to share knowledge and research, network, meet each other and form groups. This is the only time the Technical Committees (TCs) have the opportunity to gather together as many members as possible to plan and to hold elections.

The congress provides an occasion for:

- The IEA to bring the international ergonomics and human factors community together
- The promotion of ergonomics and human factors to the wider non-member community, governments and the public
- Member societies to meet with other member societies
- TCs meet and to form.

In all of my years on the Council and Executive I have observed that the congress has a low priority and is expected to happen and be organized through the host society. I acknowledge that these comments and recommendations are made through the benefit of hindsight.

## ***Council meetings***

The original purpose of the council meetings was basically to arrange the congress which was the main IEA focus. The arrangement of the congress has now become the responsibility of the host society. Congress organizers are given a short time on the Council meeting agenda to present progress and issues in the lead up to the congress but little discussion about the importance of the congress occurs in the council meetings.

As Council members change, around 30% are new to the council at each meeting, the importance and promotion of the congress is probably lost on them, as was my experience prior to taking on the role of convener. This indicates that member societies may not understand the pivotal role they have in the success of the congress. They may not understand the importance of this occasion for their members. Society members themselves may not understand the importance of this opportunity to present their own work, to hear about others' work and to meet the experts and fellow ergonomics and human factors specialists and practitioners. At the 2015 congress there were 41 countries represented, so some of the message is getting to individuals but this may be through the TCs not the societies themselves.

The IEA operating procedures stipulate that the IEA will help promote the congress through the following means:

- The IEA will provide the IEA logo for use in promotional material;
- Scientific support from the IEA Technical Committees to organize sessions and promote subject areas;
- Listing the congress in the IEA website and providing a link;
- Advertising the congress in the IEA communications;

- Requesting IEA Federated and Affiliated Societies, Sustaining members and endorsed journals to advertise the congress through the following means;
  - ◆ Listing of the congress in the calendar section of their publications including a description or call for participation in their newsletter; and
  - ◆ Distributing promotional material such as call for papers and announcements to its members (or at their annual conference).

However, this doesn't seem to be sufficient means of promoting such an important event or approached strategically with the goal of a successful congress. There appears to be a mismatch between the ownership of the congress and the responsibility for the success of it. This is also demonstrated in the financial requirements where the host society does all of the work and takes most of the risk but the IEA expects a financial return.

### **Recommendations**

It is recommended that:

The IEA Executive considers giving the congress higher priority and ensuring that the success of the congress is one of the key goals of its term.

The IEA Executive develops strategies to support the host society and the organizers through Council meetings by:

- Raising the importance of the congress at each Council meeting by emphasizing that it is a benefit for member societies
- Ensuring that council members understand that the congress is their international event and that they can contribute to its success
- Discussing and workshopping the promotion of the congress at each Council meeting and what action Council members can identify and take to promote the congress such as:
  - ◆ Emailing their members
  - ◆ Putting the Congress on their website
  - ◆ Asking Council members to report on how their society is contributing to the success of the congress
  - ◆ Having open discussions in Council meetings about how member societies can avoid competition with their own conferences
- Giving member societies and Council members written position descriptions of the role of Council members that includes information about the importance of and promotion of the congress

The IEA Executive takes a strategic approach with the organizing committee to the promotion of the congress by:

- advertising the congress as a key item on the IEA website giving the congress priority position
- Prioritizing and promoting the importance of the congress in all correspondence
- The President prioritizes promoting the importance and details of the next congress at each meeting and conference attended throughout the Presidential term.

### **IEA Requirements**

The operating procedures detail the requirements and expectations of the Organizing Committee and host society for the management of the Congress.

Financial requirements summarized are:

- A preliminary budget shall be provided at the IEA Triennial Congress prior to the proposed congress.
- The IEA may provide “seed” funds as approved by the IEA Executive. It is expected that the seed funds be returned to the IEA following the congress.
- Capitation fee currently \$US28.00. The fee that applies is that which was in place at the moment of endorsement of the congress. It is calculated as the number of registrants to be used for assessing the capitation fee is the sum of the number of delegates on each day divided by the number of days of the congress. (This calculation process is not clear and can be interpreted in different ways)
- A minimum of 50% of the surplus (money remaining after capitation fees and all other obligations have been met) must be donated to the IEA for the purpose of establishing an IEA fund in the name of the host society.
- The return to the IEA will be the financial advance plus the capitation fee per full paying registrant.
- The IEA requires that comprehensive financial reports be completed and filed with the Treasurer.

At the time of the successful bid (endorsement of the congress) and drawing up a budget, the AUD dollar was around \$US1.10 which meant that we would be paying \$AUD 25.00 capitation fee per full paying registrant. However, six years later, the \$AUD was down to around \$0.70 cents per \$US dollar which increased our capitation fee to around \$AUD40.00 per full paying registrant.

In order to attract participants from Industrially Developing Countries and students for the 2015 congress their registration fees were heavily discounted which is an expectation of the IEA. This strategy was successful but placed a burden on the budget because their registration fees did not cover their costs.

The President may ask for VIPs to be included in the Opening Ceremony. In 2015 this request was made 10 days prior to the congress opening. They were to be given full registrations and there was an expectation that the congress would provide these free of charge but this was not possible in 2015.

### **Recommendations**

As discussed with the previous Executive Committee, it is recommended that the IEA Executive consider altering the balance of the financial requirements by:

- Gifting the seed funding to the organization of the congress; and/or
- Sharing the capitation fee with the host society; and/or
- Removing the requirement on the host society to contribute 50% of the surplus (although this will not assist the host society in the event of a break even or loss outcome)

- Reconsidering the amount of and how to calculate the capitation fess.

It is recommended that all IEA official guests be funded by the IEA and not through the congress budget.

### ***Program development***

The Technical Committee (TC) Chairs are involved in the development of the technical program. They are expected to invite their members to submit abstracts and papers, organize reviewers and reviews, organize chair persons for the sessions within their TC streams and put the accepted oral presentations, workshops, symposia and panels into the order in which they want them to be presented at the Congress (Running Orders).

The Scientific and Technical Program (STP) Chair is seen to be the key link to the TCs for the Organizing Committee, however this is not as straight forward as would be expected. It has long been known that the process of involving the TCs has been a difficult one but it seems it has to be experienced to understand the extent of the issues. At the 2015 congress there were many complications experienced such as:

- Email contact with the STP was intermittent (probably due to workload)
- Email addresses of TC Chairs and deputies obtained from the website were found to be out of date only when abstract reviews commenced because despite many emails to TC Chairs from about a year prior most didn't advise that they were no longer TC Chairs
- Unbeknown to the organizing committee, two TCs joined together at IEA2012 however, the website didn't reflect this nor did correspondence with the TC Chairs
- Many TC Chairs asked the Organizing Committee for guidance on what their role was in regard to the congress
- STP Chair also had difficulty finding correct contact details for TC Chairs.

Managing this process is very complicated. Some Technical Committee chairs were very slow to return abstracts and paper reviews causing lengthy delays in the whole program development process.

### **Recommendations**

As the STP Chair is usually new to the role at the beginning of the term and may not have experience with the Council or at managing a TC during the Congress review period, it is recommended that the STP Chair be provided with a position description that emphasizes the importance of the congress and the role of the STP in supporting the Organizing Committee's Scientific Program Chair(s).

A system be developed that enables the TC election results and up to date TC Chair information to be provided to the Executive within a short period of time following the congress. This information should be on the position description.

The website be kept as up to date as quickly as possible with TC Chair contact details and changes to TCs such as additions or removal of non-functioning TCs.

Regular reporting of TC activities including specific identification of progress towards the Congress be sent to the STP and Executive.

The STP Chair and Executive exercise control of the TCs by appointing a new chair or disbanding the TC where lack of reporting and contact continues for a predetermined period of time on the basis that a well-functioning TC is necessary for the support of its members and the congress.

### ***Technical Committees***

The Technical Committees both gain from the Congress and provide extensive support to the IEA and the congress by:

- Discussing and sharing information about topics of interest
- Coming together at the congress to meet face to face
- Having an opportunity to show case their work
- Having an opportunity to explore what the other TCs are doing
- Encouraging members to submit their work to the congress program
- Reviewing abstracts and papers
- Organizing their sessions.

Historically there have been problems in the interaction of the TCS with the Congress. Many of the TC Chairs were unaware of the role they were to play in the organization of the congress program. Some TCs did not function well. This caused problems with the review process because it delayed reviews by up to 3 months and increased the work for the organizers who had to educate and sort out issues. Some TCs used a different system for their reviews, which caused the organizers more work in deciphering and sorting out which abstracts/papers were accepted. Many TCs didn't allocate chairs to their sessions which again placed an extra workload on the organizing committee.

The process for the review of abstracts and papers was not handed down to the 2015 congress organizing committee which means that the review process was designed by the Scientific Programme Chairs. Consequently, the process was not clear to the TC Chairs which added to the delays and confusion throughout the whole process.

### **Recommendations**

It is recommended that:

- A position description be developed for the TC Chairs that highlights their role in the congress, preparation for the Congress and how they can reduce their workload and make it easier for the organizers
- Advice about a clear and functioning review process be made available to the TCs and the organizing committee in the form of a Conference Manual. This would give the TC Chairs time to set up their reviewing processes. A commonly available reviewing package such as the one suggested in Attachments 1 and 2 is recommended. This gives flexibility to the TC Chairs, reduces the workload of the organisers and ensures up to date knowledge about which abstracts/papers have been reviewed.



### ***Meetings organization***

The Executive and Council meetings are to be catered by the Congress budget. This is difficult to organize and costly because:

- There can be high numbers when you add in the observers and other invited participants to the total number of council members
- Although for the 2015 congress the VPSG attempted to get confirmation of attendance, some attendees do not RSVP and just turn up which means we had to over cater and organize meals on the day at higher cost because of the short notice
- Members may attend on one day but not the other and they come and go so may leave before lunch even though they were counted as attendees
- The VPSG may not think to ask for dietary requirements
- The congress organizer is expected to organize the Council dinner but not required to pay for it, however this still can cause some issues because:
  - Numbers are difficult to calculate before hand and may change on the day
  - People may have dietary requirements that they haven't highlighted prior to getting to the restaurant which is what we experienced.

### ***Recommendations***

It is recommended that the VPSG requests specific information, agreed with the congress organizers, when sending out the agenda and minutes in regard to attendance numbers, catering and dietary requirements for each of the catered events and that members are advised that failure to respond will be taken as non-attendance and therefore will not be catered or some similar message to encourage RSVPs.

### ***Congress Proceedings***

The experience of the 2015 congress was that many people, who submit abstracts, expect their congress to publish them in a way that gives the author credit. As a result of investigation with key publishers we found that publication in a journal is not feasible because journal editors want their own peer review process and that is not possible with the quantity of papers and abstracts. A journal will not take the 1000 plus papers for publication because it is too many for any one journal.

Editors offered to put congress papers on to a proceedia website at a huge cost of \$ AUD 35,000 - \$40,000 but this was of no benefit to the academic community because the congress peer review process can't be guaranteed. The TCs manage that part of the process and therefore the congress organizers have no knowledge about the ability and experience of each reviewer. Even recently we received a request for a letter specifying that the review process was double blind which is not possible to do.

One of the disadvantages of publication in a journal for the IEA is the loss of the congress papers. As the IEA is charged with promoting ergonomics and human factors it is important that they have control of all congress papers.

Our proceedings were placed on a university website which provided the same outcome as a journal proceedia. This was done as in kind sponsorship saving the congress budget some \$AUD 35,000.

There was considerable contradictory advice and information about the use of conference papers and their publication in different forms. Discussion about the benefits of papers versus abstracts at a conference for academics and others was also contradictory. We didn't provide an ISBN because it was considered to be unnecessary.

### **Recommendations**

It is recommended that the IEA:

- Investigate how the congress proceedings can be published in a way that benefits students and academic contributors and provides this information to congress organizers and/or
- Publishes all congress proceedings on the IEA website to enable access by members and others.

### ***Congress Manual***

It is recommended that a congress manual be developed which can be updated as new processes are tried and found to be successful. Each society and organizing committee has different ways of operating and each region will have different experiences and challenges. However, a congress manual would give guidance and support to the organizers of each congress even if they were not able to follow it in every detail.

### ***Conclusion***

This document is designed to provide feedback to the IEA Executive in order to improve the strategic approach to the congress. No criticism of any party is intended. It is my belief that we can improve processes if we learn from experience.

I thank the organizing committee for their immense devotion and contribution to the success of the 2015 congress and for providing feedback about the issues and successes.

Christine Marks

Convener

19<sup>th</sup> Triennial Congress of the International Ergonomics Association

## Management of technical program IEA 2015

The IEA 2015 organizing committee's work on the technical program was severely hampered by two issues. First, the fact that we were not given access to the conference management system meant that we effectively had no control over how many and which abstracts had been developed into full papers, and which papers and revised abstracts had been submitted by the final submission deadline. Without this knowledge, it was impossible to plan the technical program effectively. For the same reason, we were also unable to verify that abstracts that needed revision had actually been revised in accordance with reviewers' comments.

The second issue concerned the assignment of session chairs. I understand that this task is up to the Technical Committee Chairs, who are best equipped both to group presentations by topics within their TC, and are also in the best position to know who would be most interested in a particular topic and therefore also best to chair the session in which papers on that topic would be presented. Unfortunately, more than one half of the TC Chairs failed to respond to repeated polite requests to complete these tasks and inform us of their selections. This forced us to do as best we could in terms of arranging both sessions and session chairs for almost the entire program.

Because we did not have access to the conference management system but were forced to rely on feedback from the conference organizers, which was never up-to-date or as prompt as effective organization required, it added considerably to the workload of the technical co-chairs as well as to the congress convener. For these reasons, we suggest that organizers of future IEA Congresses make use of an online conference management system. We provide an example of such a system that many large conferences have been using for many years, for example, the Human Factors in Computing Systems' annual conference, the SIG CHI (special interest group in Computer-human interaction of the Association for Computing Machinery, which now receives roughly 8,000 submissions on average every year to be managed, with an acceptance rate of around 17%). There are other systems, but they all work more or less in the same manner.

### Online conference management systems: An example

The example we chose to showcase is called Precisionconference.com. Conference organizers wishing to use it pay a given amount according to the size of the conference. Once the decision is made to use the system, the conference receives a unique ID, e.g. 'AISDR'2015'. Next, I describe the steps associated with setting up and managing the technical program as well as the roles of the various database users.

1. Establish a database of reviewers. When creating the database, create a list of topics with which reviewers are likely to identify and will have knowledge of, but also give them the option to add topics.

2. Create all the necessary standard emails: reviewer invitation, agreement to review, reviewer reminder if they don't respond within the specified time frame, thank you note to reviewers after the event, acceptance/rejection of papers. Emails are readily distributed to the relevant people (reviewers, A/Cs, authors) by simple group selection. The recipient's name is entered automatically, and where the email concerns a particular paper, the paper title and ID are also automatically included. Also create the criteria by which papers are to be judged, along with the reviewer's level of expertise, and the reviewer's final score of the paper)
3. Invite people known to the organizers to register themselves in the database. Details required include demographics and, most importantly, ask them to tick off up to five of the topics in the list. This helps later to match papers with topics when assigning these to associate technical program chairs (A/Cs). Reviewers who registered for an earlier conference (in our case, reviewers who have already reviewed IEA Congress papers) are sent an invitation as shown in slide #1 (see slide #1 in the attached pptx file).
4. Once reviewers are registered, invite them to agree (or disagree) to review and to specify how many papers they are willing to review for the given conference.
5. If they agree but fail to respond within the specified time, send a reminder (see slide #2).
6. When authors submit their papers, they select the most appropriate topics from the existing list. Abstracts are submitted separately, as reviewers will be able to read these when agreeing (or not agreeing) to review a particular paper. Reasons for not agreeing are typically conflict of interest or the topic is too far removed from the reviewer's expertise.
7. When all papers are in hand, sort them by the list of topics and assign to A/Cs (see example of assigned papers to an A/C slide #3). This is a role that suitable people will have agreed to when beginning to plan the conference. Note that the A/C can see all reviewers' reviews as well as enter their own review, and also manage reviewers in case discussion on the paper or on the review is needed.
8. Reviewers are given access only to the papers assigned to them (see slide #4 for an example), but they can see only their own review and the other reviewers' review and final score of those same papers. They access the paper by clicking on the paper title. As reviews are completed and submitted, the color entries in the relevant columns change, but reviews can be edited prior to the review deadline.
9. For each paper, reviewers can see their own score (judged quality of paper, level of expertise, ranging from expert to no knowledge, see slide #5).
10. The organizers can see how many reviews each submitted paper have been completed at all times, and they can assign any paper to additional reviewers from the paper submission database (see slide #6).

Of course, more information is provided on the management system's owner

# Invitation to review for OzCHI 2015 Long Papers

longpapers.chair@ozchi.org

To: Gitte Lindgaard

OZCHI 2015

 Actions

Tuesday, 26 May 2015 8:10 AM

Dear Gitte Lindgaard

Thank you kindly for your participation in past OZCHI conferences! We are now asking for your help to review for OZCHI 2015 in Melbourne. This year we will award Best Reviewer Prizes to recognise the value of reviewing – see below.

Please click one of the links below to accept this invitation to review. Please nominate to review 3 or 4 papers - this will greatly help to ensure a successful conference!

\* I volunteer for OzCHI 2015 Long Papers.

<http://precisionconference.com/~ozchi/yes?ref=AYRPFBXRCL>

\* I do not volunteer.

<http://precisionconference.com/~ozchi/no?ref=AYRPFBXRCL>

When in PCS, please update your areas of expertise (via the reviewing preferences link).

## Timeline

- Friday 19th June: Deadline for Long Paper submission.
- Mon 22nd - Wed 24th June: You will be able to bid for preferred papers to review.
- Friday 26th June: You will receive allocated papers to review.
- Friday 24th July: Return of reviews to us, giving you FOUR WEEKS to review.

Best Reviewer Prizes. The four best reviewers for OZCHI 2015 will be awarded a prize, with recipients listed in the conference proceedings. This will be judged by the Long & Short Paper Chairs based on the criteria that reviews provide:

- Clear short summaries of what papers contain (a sentence or two)
- Valuable comments on strengths, likely to be in terms of expression, theoretical significance, relevance, quality of evidence and arguments, conclusions and implications.
- Constructive comments on gaps and shortcomings, concerning the same attributes.

Many thanks for your help in reviewing! Please also consider submitting a paper to OZCHI 2015.

Wally Smith & Bernd Ploderer (Long Paper Chairs)

Marcus Carter & Martin Gibbs (Short Paper Chairs)

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OzCHI 2015

Australian Computer-Human Interaction Conference, Melbourne

7-10 December 2015 <http://ozchi.org>

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Last Month

- Invitation to be the members of CHIXD 2016 I... Eunice Sari 23/07/2015
- IASDR15 program committee Thea Blackler 19/06/2015
- IASDR2015 Program Committee Invitation Vesna Popovic 12/01/2015

Dear program committee members,

You have all indicated that you would like to serve on the program committee but so far we are still waiting for you to log in to the system and select your expertise. We cannot easily assign papers to each of your streams until we have this from you.

Please can you do this over the next few days – just:

1. Log on to <https://precisionconference.com/~iasdr/>
2. Click "Areas of Expertise", provide the information, then click "Record this information".

Next week we will assign the papers so that the whole process is not unduly delayed. If you have not specified your expertise we will assign them randomly.

Thanks for your help

Associate Professor Thea Blackler  
 Head of Discipline for Industrial Design  
 IASDR papers co-chair  
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Friday, 19 June 2015 11:04 AM

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Microsoft 365 June 2015.docx




MS Office proc Key.docx



Chrome File Edit View History Bookmarks People Window Help

Gitte Lindgaard - Outlook Gitte Lindgaard - IASDR

https://precisionconference.com/~iasdr15a/cgi-bin/FormWizard7/templates/reviewers.tmpl&userRef=YKLCPDFBSDUWX7B2NVYEOPT0EIZF1AD



Gitte Lindgaard - IASDR 2015 Papers Committee Member

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### Actions

See your submissions in spreadsheet format.  
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 Send email to your own reviewers or authors.

Download reviews: [as a web page](#) [as text](#) [as anonymous summaries](#)  
 Download your submissions and reviews: [as a web archive](#) [including the submission files \(large\)](#)

### Submissions to Coordinate (as primary)

Default view Edit Columns Restrict Rows

revs	cmte	you	Notes	ID	Submission			
1/1+1	0/0	1/1		397	Experiences with Service Design Tools for...	Edit your report	See reviews	Manage reviewers
1/1+1	0/0	1/1		389	Presentation Method for Delight in ...	Edit your report	See reviews	Manage reviewers
1/2	0/0	1/1		245	The interplay between designers and ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		450	Socially and Environmentally Responsible...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		236	Community Enabled Fashion PSS	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		180	From The Eco-design Perspective Discuss...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		298	A Comparison of Attractive Factors of ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		149	Integrating housing and food systems ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		188	Community Development Strategy for ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		441	Designing Self-Service Technologies for ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		405	The Characteristic of Omotenashi Service	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		403	Comparing different national customer ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		270	Fundamental research on university ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		229	Symbol and Meaning in Customer Service...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		214	A Study on Experimental Marketing and the ...	Edit your report	See reviews	Manage reviewers
2/2	0/0	1/1		174	Service Design from multi-disciplinary ...	Edit your report	See reviews	Manage reviewers

### Submissions to Review (as secondary)

None

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Gitte Lindgaard - Outlook x Gitte Lindgaard - OzCHI x

https://precisionconference.com/~ozchi15/reviewers?userRef=CYYN3A7T4A7Y7URSRIIA9AN9CSMB08PR

**OzCHI 2015**  
REINVENTING  
DECEMBER 7-10, MELBOURNE

Gitte Lindgaard - OzCHI 2015 Long Papers Reviewer

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**Submissions to Review**

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Review Status	ID	Submission	Edit your review	See reviews
received	149	Designing a health screening tool to help ...	Edit your review	See reviews
received	152	Do we Ruin the Moment? Exploring the...	Edit your review	See reviews
received	153	Stakeholder's Politics Frustration...	Edit your review	See reviews
received	157	The Fuzzy Front End of Experience Design...	Edit your review	See reviews

Please mail any questions to [longpapers.chair@ozchi.org](mailto:longpapers.chair@ozchi.org)

\* Updated since you last looked.

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### Reviews of submission 157

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#### The Fuzzy Front End of Experience Design: Eliciting and Communicating Experience Goals

##### Reviews

Review Score	Reviewer Expertise	Review
4.2	(4)	<a href="#">review by Reviewer_1 (you)</a>
4.20	(4)	averages

The average review score shown above is a weighted average of the review scores: A review with expertise of 1 2 3 4 has a relative weight of 0.75 1.0 1.25 1.5 respectively.

##### Discussion

The discussion is accessible to the coordinator, the secondary, and the externals. It will not be disclosed to the submission authors.

Because the discussion contents may, at some point, also be visible to other program committee members, you *should not include any identifying information* (such as signing a discussion with your name) in the actual posting.

No messages posted

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Show only reviewers with expertise  in the areas of  and

Email	Action	Reviewer (289)	Match Score	Free to Review	Currently Assigned	On Cmte	Web Page
lspopov@bgsu.edu	assign	Popov, Lubomir	1.00	0	1		www.bgsu.edu/colleges/edhd/fcs/bios/lspopov.html
teresa.franqueira@ua.pt	assign	Franqueira, Teresa	1.00	0	2		
joch@yonsei.ac.kr	assign	Jung, Eui-Chul	1.00	0	3		che.yonsei.ac.kr/departments/design/professor.php#prof_joch
max.fickel@gmail.com	assign	Fickel, Max	1.00	0	5		
michel.deblois@design.ulaval.ca	assign	de Blois, Michel	0.91	0	3		https://www.design.ulaval.ca/personnel/professeurs/michel-de-blois.html
<hr/>							
dan.lockton@rca.ac.uk	assign	Lockton, Dan	0.91	0	3		danlockton.co.uk
suryavanka@outlook.com	assign	Vanka, Surya	0.91	not volunteered	17	cmte	
y.popovic@qut.edu.au	assign	Popovic, Vesna	0.88	-7	9		www.qut.edu.au
Praima.is@gmail.com	assign	Jarasena Na Ayudhya, Praima	0.86	-2	0		
sungjt@mail.ntust.edu.tw	assign	Sung, Tung-Jung	0.82	0	2		
<hr/>							
almendra@fa.utl.pt	assign	Almendra, Rita	0.82	3	0		
gala.scagnetti@gmail.com	assign	Scagnetti, Gaia	0.82	0	4		namedgala.com/
heioisacsp@gmail.com	assign	Candello, Heioisa	0.77	0	2		researcher.watson.ibm.com/researcher/view.php?person=br-heioisacandello
admin@andyconnor.info	assign	Connor, Andy M.	0.77	0	3		www.andyconnor.info/
ulfs@md.kth.se	assign	Sellgren, Ulf	0.77	0	3		www.kth.se/en/itm/inst/mmk/avdelningar/skd/medarbetare/skd/ulf-sellgren-1.17883
<hr/>							
seda@jastate.edu	assign	yilmaz, seda	0.77	0	2		www.sedayilmaz.me
can@mail.nhcue.edu.tw	assign	Liao, Guanze	0.77	0	2		can.elt.nhcue.edu.tw
artemis@yagou.gr	assign	Yagou, Artemis	0.73	0	3		www.yagou.gr
debrasatterfield@gmail.com	assign	Satterfield, Debra	0.73	0	3		
annemarie_lesage@yahoo.com	unassign	Lesage, Annemarie	0.73	0	3		www.hybridlab.umontreal.ca
<hr/>							
Email	Action	Reviewer (289)	Match Score	Free to Review	Currently Assigned	On Cmte	Web Page
m.aniu@polyu.edu.hk	assign	Siu, Kin Wai Michael	0.68	3	0		
silvia.pizzocaro@polimi.it	assign	Pizzocaro, Silvia	0.68	0	3		www.design.polimi.it
harada@sys.wakayama-u.ac.jp	assign	Harada, Toshinobu	0.68	0	1		
philippe.gauthier.2@umontreal.ca	assign	Gauthier, Philippe	0.68	3	0		
a.p.o.s.vermeeren@tudelft.nl	assign	Vermeeren, Arnold	0.68	0	1		studiolab.ide.tudelft.nl/studiolab/vermeeren/
<hr/>							
mike.christenson@ndsu.edu	assign	Christenson, Mike	0.66	0	3		www.ndsu.edu/faculty/mchrste/
audreygbennett@gmail.com	assign	Bennett, Audrey	0.64	0	1		www.rpi.edu/~bennett
b.kraal@qut.edu.au	assign	Kraal, Ben	0.64	-4	9		benkraal.com
<hr/>							
				unvolunteered	18	cmte	www.cs.cmu.edu/~lophz

https://precisionconference.com/~laadr15a/adminOaReviewer?userRef=YKLCPDFBSDUWX7B2NVYEOFXT0E2F1AD&next=adminAddRemoveReview.html&back=adminOnePaper.html&paperNumber=397&pageTitle=Assign%20or%20Unassign%20a%20...&next=adminAddRemoveReview.html&back=adminOnePaper.html&paperNumber=397&pageTitle=Assign%20or%20Unassign%20a%20...



<b>MCI Australia real time meeting and event budget© V2012.1</b>			
<b>Copyright © and commercial in confidence 2013</b>			
Except where indicated all figures are <b>exclusive</b> of GST			
<b>Registration types</b>	<b>Code</b>	<b>Reg fee inc GST</b>	<b>FINAL 900</b>
<b>IEA federated and affiliated society member registration</b>	Late	1,040.00	1
	Normal	990.00	20
	Early	940.00	237
	CNX		7
<b>Fulltime HFESA member registration</b>	Late	1,040.00	3
	Normal	990.00	22
	Early	940.00	111
	CNX		4
<b>Fulltime non-member registration</b>	Late	1,340.00	2
	Normal	1,290.00	17
	Early	1,240.00	86
	CNX		2
<b>Fulltime IEA council member registration</b>	Late		0
	Normal		0
	Early	880.00	23
	CNX		1
<b>Fulltime industrially developing country (IDC) registration</b>	Late	690.00	6
	Normal	640.00	19
	Early	590.00	69
	CNX		11
<b>Fulltime non-IDC student</b>	Late	690.00	0
	Normal	640.00	12
	Early	590.00	82
	CNX		4
<b>Fulltime IDC student</b>	Late	390.00	0
	Normal	340.00	4
	Early	290.00	32
	CNX		3
<b>Day only registration</b>	Late	400.00	109
<b>Session pass</b>	Normal	75.00	1
	Early		0
	CNX		5
<b>Fulltime discounted retiree</b>	Normal	590.00	1
<b>Discount IEA</b>	Normal	300.00	1
<b>Discount sponsor</b>	Normal	968.00	5
	CNX		0
<b>FOC and COMP REGISTRATIONS ONLY</b>			<b>63</b>
	<b>F/T - FOC</b>		25
	<b>Day - FOC</b>		0
	<b>Session - FOC</b>		1
	<b>F/T - SponEx</b>		37
<b>Total registrants (TDEL)</b>			<b>963</b>

Event Summary

	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
Copyright © and commercial in confidence 2013		
Paid delegates (inc CNX)	900	900
Total including FOC	963	963
Total including FOC and Non Reg	963	963

PAID DELEGATES	863	863
Fulltime IEA federated and affiliated society member registration	258	258
Fulltime HFESA member registration	136	136
Fulltime non-member registration	105	105
Fulltime IEA council member registration	23	23
Fulltime industrially developing country (IDC) registration	94	94
Fulltime non-IDC student	94	94
Fulltime IDC student	36	36
Day only registration	110	110
<b>FOC DELEGATES (INCLUDED IN DELEGATE COUNT)</b>	<b>131</b>	<b>131</b>
F/T - FOC	25	25
Day - FOC	0	0
Session - FOC	1	1
F/T - SponEx	37	37

Meeting income (ex GST)		
Registration (REGIN)	635885.68	635,885.68
Non registrants (NONREGIN)	0.00	0.00
Function ticket sales (SOCIN)	23,036.36	23,036.36
Sponsorship (SPONIN)	173,499.78	173,499.78
Sundry income (SUNDIN)	507.27	507.27
<b>Meeting income</b>	<b>832,929.10</b>	<b>832,929.10</b>

Meeting expenses - ex GST		
01 - Congress centre rental & infrastructure (VENUEx)	237,985.00	237,985.00
02 - Print and electronic matter & promotional material (PRINTEx)	21,131.30	21,131.30
03 - Marketing & promotion (PROMEx)	27,300.00	27,300.00
04 - Technical equipment - congress/exhibition (STAGEx)	64,165.94	64,165.94
05 - Services (SERVEx)	13,500.00	13,500.00
06 - Material for participants (MATEREx)	12,008.18	12,008.18
07 - Invited speakers & committees (PROGEx)	19,186.87	19,186.87
08 - Transportation/shuttles (TRANSEEx)	0.00	0.00
09 - Onsite secretariat - staff costs (STAFFEx)	36,010.00	36,010.00
10 - Pre-congress secretariat expenses (SECTEx)	7,674.95	7,674.95
11 - Host and committee expenses (HOSTEx)	4,096.45	4,096.45
12 - Meals & social activities (SOCIALEX)	267,393.94	267,393.94
13 - Various (VAREX)	55,181.76	71,831.11
14 - Reserve/provision (SUNDEX)	0.00	0.00
15 - Organisation fee - PCO (ORGFEEX)	103,931.14	103,931.14
16 - Calculated amounts - on turnover (CALCEX)	2,645.00	2,645.00
<b>Meeting expenses (TOTALEX)</b>	<b>872,210.23</b>	<b>888,859.58</b>
<b>Meeting surplus/loss (MEETSURP)</b>	<b>-39281.13</b>	<b>-55,930.49</b>

Exhibition income - Ex GST		
Booth 3m x 3m	11	11
Space only (9m2)	2	2
FOC 3m x 3m	2	2
FOC NFP	2	2
Exhibition sales (EXSALESIN)	59,545.45	59,545.45
Other (EXOTHERIN)	0.00	0.00
<b>Exhibition income (EXTOTIN)</b>	<b>59,545.45</b>	<b>59,545.45</b>

Exhibition costs - ex GST (EXCOST)		
Print items (EXPREX)	340.00	340.00
Venue costs (EXVENUEx)	6,653.57	6,653.57
Panel/site hire (EXPANEx)	5,195.00	5,195.00
Promotion (EXPROMEx)	0.00	0.00
Organisers fees (EXORGFEEEx)	7,554.55	7,554.55
Catering (EXCATEREx)	0.00	0.00
Sundry (EXSUNDREX)	0.00	0.00
Calculated allowances (EXCALCEX)	0.00	0.00
<b>Exhibition costs (EXTOTEx)</b>	<b>19,743.12</b>	<b>19,743.12</b>

<b>Exhibition surplus (EXSURP)</b>	<b>39802.33</b>	<b>39,802.34</b>
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<b>Total meeting &amp; exhibition income</b>	<b>892,474.55</b>	<b>892,474.55</b>
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Total surplus venue 1		
At current exhibition sales	521.20	-16,128.15
ROI	0.06%	-3.33%

					FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
PP	Qty	Cost	%Adj			
<b>Copyright © and commercial in confidence 2013</b>						-29,736.43
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
<b>Meeting income (ex GST)</b>						
<b>Registration (REGIN)</b>						
				Qty	Fee	635,885.68
Fulltime IEA federated and affiliated society member registration	Late			1	\$945.45	945.45
	Normal			20	\$900.00	18,000.00
	Early			237	\$854.55	202,527.27
	CNX			7	\$0.00	213.64
Fulltime HFESA member registration	Late			3	\$945.45	2,836.36
	Normal			22	\$900.00	19,800.00
	Early			111	\$854.55	94,854.55
	CNX			4	\$0.00	0.00
Fulltime non-member registration	Late			2	\$1,218.18	2,390.91
	Normal			17	\$1,172.73	19,936.36
	Early			86	\$1,127.27	96,930.00
	CNX			2	\$0.00	1,127.27
Fulltime IEA council member registration	Late			0	\$0.00	0.00
	Normal			0	\$0.00	0.00
	Early			23	\$800.00	18,400.00
	CNX			1	\$0.00	0.00
Fulltime industrially developing country (IDC) registration	Late			6	\$627.27	3,763.64
	Normal			19	\$581.82	11,054.55
	Early			69	\$536.36	37,009.09
	CNX			11	\$0.00	134.09
Fulltime non-IDC student	Late			0	\$627.27	0.00
	Normal			12	\$581.82	6,924.55
	Early			82	\$536.36	43,981.82
	CNX			4	\$0.00	131.14
Fulltime IDC student	Late			0	\$354.55	0.00
	Normal			4	\$309.09	1,236.36
	Early			32	\$263.64	8,436.36
	CNX			3	\$0.00	65.91
Day only registration	Late			109	\$363.64	39,636.36
	Normal			1	\$68.18	68.18
	Early			0	\$0.00	0.00
	CNX			5	\$0.00	272.73
Fulltime discounted retiree	Normal			1	\$536.36	536.36
	Normal			1	\$272.73	272.73
	Normal			5	\$880.00	4,400.00
	CNX			0	\$0.00	0.00
<b>FOC - Registrants</b>				<b>63</b>		
F/T - FOC				0		25
Day - FOC				0		0

	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						<b>-29,736.43</b>
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
Session - FOC	0	1				
F/T - SponEx	0	37				
<b>Non registrants (NONREGIN)</b>		0			0.00	0.00
Accompanying persons registration						
		Late	0	\$0.00	0.00	0.00
		Normal	0	\$0.00	0.00	0.00
		Early	0	\$0.00	0.00	0.00
		CNX	0	\$0.00	0.00	0.00
Exhib staff meals pack 1 day						
		Late	0	\$0.00	0.00	0.00
		Normal	0	\$0.00	0.00	0.00
		Early	0	\$0.00	0.00	0.00
		CNX	0	\$0.00	0.00	0.00
Exhib staff meals pack 4 days						
		Late	0	\$0.00	0.00	0.00
		Normal	0	\$0.00	0.00	0.00
		Early	0	\$0.00	0.00	0.00
		CNX	0	\$0.00	0.00	0.00
<b>Function ticket sales (SOCIN)</b>	<b>Inc</b>	<b>Paid</b>	<b>Price</b>	<b>Total</b>	<b>23,036.36</b>	<b>23,036.36</b>
Morning tea				0	0.00	0.00
Afternoon tea				0	0.00	0.00
Lunch				0	0.00	0.00
<b>Welcome reception (Sunday)</b>	559.00	43.00	72.73	603	3,127.27	3,127.27
<b>Dinner (Tuesday), offsite</b>	559.00	71.00	145.45	631	10,327.27	10,327.27
Welcome to council function (Friday)				70	0.00	0.00
Executive meeting (Thursday and Friday, pre-event)				0	0.00	0.00
Council meeting (Saturday and Sunday, pre-event)				0	0.00	0.00
Tropical North QLD & Central Australia tour		1.00	5,463.64	1	5,463.64	5,463.64
Day tour - penguins		1.00	1,227.27	1	1,227.27	1,227.27
Day tour - wildlife and wine		1.00	763.64	1	763.64	763.64
Day tour - great ocean road		1.00	1,418.18	1	1,418.18	1,418.18
Day tour - Yarra Valley vineyards		1.00	709.09	1	709.09	709.09
Sydney tour				0	0.00	0.00
Miscellaneous F&B				0	0.00	0.00
<b>Sponsorship (SPONIN)</b>					<b>173,499.78</b>	<b>173,499.78</b>
Sponsorship target			59,545.45	1.00	59,545.45	59,545.45
Other			113,954.33	1.00	113,954.33	113,954.33
<b>Sundry income (SUNDIN)</b>					<b>507.27</b>	<b>507.27</b>
Credit card surcharge			477.27	1.00	477.27	477.27
Registration transfer fee			30.00	1.00	30.00	30.00
<b>Meeting income</b>					<b>832,929.10</b>	<b>832,929.10</b>
<b>CHECKSUM must equal line above</b>					<b>832,929.10</b>	<b>832,929.10</b>

	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						-29,736.43
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
<b>Meeting expenses - ex GST</b>						
<b>01 - Congress centre rental &amp; infrastructure (VENUEX) 9-1001</b>					<b>237,985.00</b>	<b>237,985.00</b>
Hire of meeting space (from venue sheet)			235,735.00	1.00	235,735.00	235,735.00
Poster panels		2	150.00	0.50	2,250.00	2,250.00
<i>01 Do not use</i>						
<b>02 - Print and electronic matter &amp; promotional material (PRINTE9-1002)</b>					<b>21,131.30</b>	<b>21,131.30</b>
Design - logo/brand/letterhead			1,500.00	1.00	1,500.00	1,500.00
Call for abstracts - art		4	120.00	1.00	480.00	480.00
Call for abstracts print		3,000	0.39	1.00	1,151.31	1,151.31
Registration brochure - art		16	120.00		0.00	0.00
Registration brochure - print		2,000	0.50	0.00	0.00	0.00
Handbook/abstracts - art		60	60.00	1.00	3,600.00	3,600.00
Handbook/abstracts - print			11.50	0.97	10,278.74	10,278.74
Sponsors prospectus - art		16	120.00	1.00	1,920.00	1,920.00
Sponsors prospectus - electronic forms		2	120.00	1.00	240.00	240.00
Certificates of attendance			3.75	0.14	461.25	461.25
Final report (copy, bind, samples)		0	100.00	0.00	0.00	0.00
General artwork			1,500.00	1.00	1,500.00	1,500.00
<i>02 Do not use</i>						

	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						<b>-29,736.43</b>
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
<b>03 - Marketing &amp; promotion (PROMEX)</b>	<b>9-1003</b>				<b>27,300.00</b>	<b>27,300.00</b>
Web site - domain name fee (years) / transfer		3	100.00	1.00	300.00	300.00
Web site - set up (including css, skin art, programming, set up)		from	2,500.00	1.00	2,500.00	2,500.00
Web site - updates			2,000.00	1.00	2,000.00	2,000.00
Web site - hosting per year		2	360.00	1.00	720.00	720.00
Web site - analytics setup and reports			650.00	1.00	650.00	650.00
Database set up - (standard) incl EOI + exhibitor + 1 comp site + 1 group site + simple delegate			2,750.00	1.00	2,750.00	2,750.00
Database secure server hosting - 3D secure (months)		6	35.00	1.00	210.00	210.00
Email - 1st email address (inc traffic) per year		2	660.00	1.00	1,320.00	1,320.00
Email - extra email address per year (no traffic costs)		6	55.00	1.00	330.00	330.00
Ezines - design/preparation		18	240.00	1.00	4,320.00	4,320.00
Ezines - despatch/tracking		18	180.00	1.00	3,240.00	3,240.00
Ezines - template design & programming		6	120.00	1.00	720.00	720.00
Email signature banner		1	240.00	1.00	240.00	240.00
Marcom zone			5,000.00	1.00	5,000.00	5,000.00
Social media strategy / activity		25	120.00	1.00	3,000.00	3,000.00
<i>03 Do not use</i>						
<b>04 - Technical equipment - congress/exhibition (STAGEX)</b>	<b>9-1004</b>				<b>64,165.94</b>	<b>64,165.94</b>
Audiovisual equipment (inc speakers prep)		1	57,875.94	1.00	57,875.94	57,875.94
Stage set main plenary			2,000.00	0.00	0.00	0.00
Opening ceremony			700.00	1.00	700.00	700.00
Directional/other signage (incl. lectern sign)			2,140.00	1.00	2,140.00	2,140.00
Communications equipment on-site		from	100.00	1.00	100.00	100.00
IT hire - computer/s		4.00	500.00	1.00	2,500.00	2,500.00
IT hire - additional printer/s		3.00	150.00	1.00	150.00	150.00
IT hire - other			100.00	1.00	100.00	100.00
Conference registration desk/booth			2,000.00		0.00	0.00
Internet - delegates, organiser and speakers		1	300.00	1.00	300.00	300.00
Wi-fi fire wall and router		1	300.00	1.00	300.00	300.00
<i>04 Do not use</i>						



	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						<b>-29,736.43</b>
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
<b>05 - Services (SERVEX)</b>		<b>9-1005</b>			<b>13,500.00</b>	<b>13,500.00</b>
Audiovisual labour		5	2,700.00	1.00	13,500.00	13,500.00
<i>05 Do not use</i>						
<b>06 - Material for participants (MATEREX)</b>		<b>9-1006</b>			<b>12,008.18</b>	<b>12,008.18</b>
Nametags - stock/lettering (colour)	PP		3.75	0.85	2,861.00	2,861.00
Nametag - holders and lanyards	PP		5.00	0.86	3,987.04	3,987.04
Delegate summary/tax invoices	PP		2.75	0.39	990.00	990.00
Satchels delegates	PP		5.00	0.90	4,170.14	4,170.14
<i>06 Do not use</i>						
<b>07 - Invited speakers &amp; committees (PROGEX)</b>		<b>9-1007</b>			<b>19,186.87</b>	<b>19,186.87</b>
<i>Expected number of abstracts</i>						
Number of speakers presentations		200				
Number of posters		60				
Number of chairpersons		65				
Travel allowance (from speaker sheet)			10,318.45	1.00	9,818.45	9,818.45
Accommodation allowance (from speaker sheet)			6,431.82	0.85	5,402.73	5,402.73
Database set up - abstract submission			3,300.00	1.00	3,300.00	3,300.00
Speakers gifts (VIP only)		1	165.69	1.00	165.69	165.69
Speakers slides (PowerPoint template)		200	5.00	0.50	500.00	500.00
<i>07 Do not use</i>						
<b>08 - Transportation/shuttles (TRANSEX)</b>		<b>9-1008</b>			<b>0.00</b>	<b>0.00</b>
Transport					0.00	0.00
<i>08 Do not use</i>						

	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						<b>-29,736.43</b>
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
<b>09 - Onsite secretariat - staff costs (STAFFEX)</b>		<b>9-1009</b>			<b>36,010.00</b>	<b>36,010.00</b>
Onsite staff			1.00	1.00	23,200.00	23,200.00
Travel			500.00	1.15	3,948.75	3,948.75
Accommodation & subsistence		5	255.00	1.00	8,861.25	8,861.25
<i>09 Do not use</i>						
<b>10 - Pre-congress secretariat expenses (SECTEX)</b>		<b>9-1010</b>			<b>7,674.95</b>	<b>7,674.95</b>
Telecoms - phone, fax	PP		2.00	1.00	1,565.24	1,565.24
Telecoms - teleconferences		9	200.00	1.00	1,789.05	1,789.05
Telecoms - conference phone number (per annum)		2	120.00	1.00	240.00	240.00
Copy - photocopy and print	PP		2.00	1.00	1,500.90	1,500.90
Courier			284.30	1.00	284.30	284.30
Satchel packing labour (per hour) including boxes		20	55.00	0.58	1,545.46	1,545.46
Stationery			500.00	1.00	500.00	500.00
Sundry (conference box restocking)			250.00	1.00	250.00	250.00
<i>10 Do not use</i>						
<b>11 - Host and committee expenses (HOSTEX)</b>		<b>9-1011</b>			<b>4,096.45</b>	<b>4,096.45</b>
Event Design meeting		1	2,000.00	0.00	0.00	0.00
Site visits			713.98	1.00	713.98	713.98
Committee meetings (catering, parking, taxi etc)		18	50.00	0.65	577.02	577.02
Committee onsite costs			2,805.45	1.00	2,805.45	2,805.45
<i>11 Do not use</i>						
<b>12 - Meals &amp; social activities (SOCIALEX)</b>		<b>9-1012</b>			<b>267,393.64</b>	<b>267,393.64</b>
<b>Morning tea</b>	PP	0	6.82	0.76	21,483.00	21,483.00
<b>Afternoon tea</b>	PP	0	6.82	0.72	20,119.00	20,119.00
<b>Lunch</b>	PP	0	24.55	0.85	87,594.17	87,594.17
<b>Welcome reception (Sunday)</b>		603				
- food	PP		40.77	0.64	15,695.00	15,695.00
- beverage	PP		34.55	0.65	13,528.50	13,528.50
- av			800.00	1.00	800.00	800.00
- entertainment			600.00	1.00	600.00	600.00
<b>Dinner (Tuesday), offsite</b>		631				
- food			86.36	0.92	49,974.55	49,974.55
- beverage	PP		40.91	0.92	23,636.36	23,636.36
- menu	PP		3.00	0.50	946.50	946.50
- styling / staging			4,115.00	1.00	4,115.00	4,115.00
- av			10,000.00	1.00	10,000.00	10,000.00
- entertainment			1,200.00	1.00	1,200.00	1,200.00
<b>Welcome to council function (Friday)</b>	PP	70				
- food	PP		40.91		0.00	0.00
- beverage	PP		27.27		0.00	0.00
<b>Executive meeting (Thursday and Friday, pre-event)</b>	PP	8				
- food and beverage catering	PP		60.00	1.65	789.50	789.50

	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						<b>-29,736.43</b>
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
- av			500.00	1.00	500.00	500.00
<b>Council meeting (Saturday and Sunday, pre-event)</b>	PP	45				
- food and beverage catering	PP		60.00	1.85	4,988.16	4,988.16
- av			1,083.00	1.00	1,083.00	1,083.00
<b>Tropical North QLD &amp; Central Australia tour</b>	PP	1				
- tour cost	PP		5,627.27	1.00	5,627.27	5,627.27
<b>Day tour - penguins</b>	PP	1				
- tour cost	PP		1,186.36	1.00	1,186.36	1,186.36
<b>Day tour - wildlife and wine</b>	PP	1				
- tour cost	PP		763.64	1.00	763.64	763.64
<b>Day tour - great ocean road</b>	PP	1				
- tour cost	PP		1,309.09	1.00	1,309.09	1,309.09
<b>Day tour - Yarra Valley vineyards</b>	PP	1				
- tour cost	PP		709.09	1.00	709.09	709.09
<b>Miscellaneous F&amp;B</b>	PP	0				
- food			745.45	1.00	745.45	745.45
<i>12 Do not use</i>						

	PP	Qty	Cost	%Adj	FINAL BUDGET no capitation fee	PROJECTED BUDGET includes estimated capitation fee
<b>Copyright © and commercial in confidence 2013</b>						<b>-29,736.43</b>
<b>Paid delegates</b>						<b>900</b>
<b>Total delegates inc FOC but exc nonreg</b>						<b>963</b>
<b>13 - Various (VAREX)</b>	<b>9-1013</b>	<b>QTY</b>			55,181.76	71,831.11
Finance - bank charges			200.00	0.10	14.89	14.89
Finance - credit card charges			0.0455	1.00	30,012.32	30,012.32
<b>Host body capitation fees</b>	<b>PP</b>	<b>USD</b>	<b>40.00</b>	<b>0.00</b>		<b>19,953.92</b>
Sponsors - strategy/prospectus preparation			2,000.00	1.00	2,000.00	2,000.00
Sponsors - build and clean lists (estimate only if not supplied by the client)		50	50.00	1.00	2,500.00	2,500.00
Sponsors - entitlements management		173,500	10.00%	1.00	20,654.55	17,349.98
<i>13 Do not use</i>						
<b>14 - Reserve/provision (SUNDEX)</b>	<b>9-1014</b>				0.00	0.00
Contingency			5,000.00		0.00	0.00
<i>14 Do not use</i>						
<b>15 - Organisation fee - PCO (ORGFEEEX)</b>	<b>9-1015</b>	Based on	Per head		103,931.14	103,931.14
Fee - base project management fee (may vary with lower numbers)				1.00	103,931.14	103,931.14
<i>15 Do not use</i>						
<b>16 - Calculated amounts - on turnover (CALCEX)</b>	<b>9-1016</b>				2,645.00	2,645.00
Plus insurance (comprehensive .7%)			2700.00	1.00	2,645.00	2,645.00
<i>16 Do not use</i>						
<b>Meeting expenses (TOTALEX)</b>					<b>872,210.23</b>	<b>888,859.58</b>
<b>Checksum - must equal line above</b>						<b>888,859.58</b>
<b>Meeting surplus/loss (MEETSURP)</b>						<b>-55,930.49</b>
					<b>-39,281.13</b>	

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	Pay Type	Unit type m2	Registrations inc	Disc off standard	Cost Inc GST	Cost EX	FINAL BUDGET no capitiation fee	PROJECTED BUDGET includes estimated capitiation fee	
<b>Booth 3m x 3m</b>									
	Standard	1.0	9.0	2	5,500.00	5,000.00	1	2	2
	Early	1.0	9.0	2	10.00%	5,000.00	4,545.45	1	9
<b>Space only (9m2)</b>									
	Standard	1.0	9.0	2	5,000.00	4,545.45	1	1	1
	Early	1.0	9.0	2	10.00%	4,500.00	4,090.91	1	1
	CNX								
	<b>FOC 3m x 3m</b>	Standard	1.0	9.0	5,500.00	5,000.00		2	2
	<b>FOC space (9m2)</b>	Standard	1.0	9.0	5,000.00	4,545.45		0	0
<b>Exhibition income - Ex GST</b>							<b>ACTUAL</b>	<b>RUNNING</b>	
<b>Exhibition sales (EXSALESIN) 8-1300</b>							<b>59,545.45</b>	<b>59,545.45</b>	
Booth sales							59,545.45	59,545.45	
Cancellations								0.00	
<b>Other (EXOTHERIN)</b>							<b>0.00</b>	<b>0.00</b>	
Other 1							0.00	0.00	
Other 2							0.00	0.00	
<b>Exhibition income (EXTOTIN)</b>							<b>59,545.45</b>	<b>59,545.45</b>	
<b>CHECKSUM Must equal line above</b>							<b>59,545.45</b>	<b>59,545.45</b>	
<b>Exhibition costs - ex GST (EXCOST)</b>									
<b>Print items (EXPRESX) 9-3100</b>							<b>340.00</b>	<b>340.00</b>	
Exhibitors prospectus							25.00	0.00	0.00
Exhibitors manual							20.00	1.00	340.00
Exhibitors catalogue - art							4	120.00	0.00
Exhibitors catalogue - print							TDEL1	10.00	0.00
Passport/questionnaire/prize/stamps							2600.00	0.00	0.00
<b>Venue costs (EXVENUEX) 9-3200</b>							<b>6,653.57</b>	<b>6,653.57</b>	
Furniture - lounges, cocktail rounds, stools							1000.00	0.78	780.00
Furniture - stand 10							267.50	1.00	267.50
Electricity							25.00	0.00	0.00

Testing and tagging		18.00	1.00	306.00	306.00
Security	54	55.00	1.00	2,970.00	2,970.00
Cleaning	5	130.00	1.00	650.00	650.00
Forklift hire		2000.00		0.00	0.00
Dockmaster		936.40	1.00	936.40	936.40
Materials handling (portage)		1000.00		0.00	0.00
Advance freight forwarding		743.67	1.00	743.67	743.67

<b>Panel/on-site hire (EXPANEX)</b>	<b>9-3300</b>			5,195.00	5,195.00
Booth 3m x 3m		385.00	1.00	4,235.00	4,235.00
Space only (9m2)		95.00	1.00	190.00	190.00
FOC 3m x 3m		385.00	1.00	770.00	770.00
FOC space (9m2)		95.00	1.00	0.00	0.00
<b>Promotion (EXPROMOEX)</b>	<b>9-3400</b>			0.00	0.00
Trade passes					0.00
Industry meetings					0.00
International calls					0.00
Travel/accom					0.00
<b>Organisers fees (EXORGFEEEX)</b>	<b>9-3500</b>			7,554.55	7,554.55
Management fee - paid booths		10%	1.00	5,954.55	5,954.55
Management fee - comp booths		10%	1.00	1,600.00	1,600.00
Sales - paid booths		10%		0.00	0.00
<b>Catering (EXCATEREX)</b>	<b>9-3600</b>			0.00	0.00
Water towers within the exhibition		500.00		0.00	0.00
(Other food - see meeting budget)				0.00	0.00
<b>Sundry (EXSUNDRYEX)</b>	<b>9-3700</b>			0.00	0.00
Tracking system		400.00			0.00
<b>Calculated allowances (EXCALCEX)</b>	<b>9-3800</b>			0.00	0.00
CPI/inflation allowance		0.02		0.00	0.00
Credit card merchant fees		0.0455		0.00	0.00
<b>Exhibition costs ( EXTOTEX)</b>				19,743.12	19,743.12
Checksum Must Equal Line Above				19,743.12	19,743.12
<b>Exhibition surplus (EXSURP)</b>				<b>39,802.33</b>	<b>39,802.34</b>





Worksafe Victoria	2			
IEA			1	
HFSEA			1	
<b>TOTAL FOC BOOTHS</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>

## IEA 2015

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Type	%Adj	F/T - FOC	Day - FOC	Session - FOC	F/T - SponEx
Invited spkrs		6	0	0	
Sponsors		10			0
Exhibitors	1				37
Committee					
Host body		6			
Media		3			
CNX					
Session pass				1	
<b>FOC TOTAL (FOCTOT)</b>		<b>25</b>	<b>0</b>	<b>1</b>	<b>37</b>

## International Ergonomics Association Triennial Congress 2015

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Presentation type	Last name	First name	F/T - FOC	Travel from	Travel to	Class	Travel amt ex GST	Accomm nights	Accomm rate ex GST	Accomm total	Transfers	Meals
Plenary	Hakan Nygard	Clas	1	Finland	Mel	Eco	2,443.71	5	257.27	1,286.36		
Plenary	Trent	Victor	1	Sweden	Mel	Eco	3,188.91	5	257.27	1,286.36		
Plenary	Ray	Gaur	1	India	Mel	Eco	1,272.00	5	257.27	1,286.36		
Plenary	Hignett	Sue	1	UK	Mel	Eco	2,913.83	5	257.27	1,286.36		
Plenary	Dunstan	David	1		Mel	Eco	500.00	5	257.27	1,286.36		
<b>Totals</b>							10,318.45		6,431.82		0.00	0.00

