

IEA Visual Ergonomics Newsletter—August 2017

The triennial congress is the primary event on the International Ergonomics Association calendar. Italy will host the next congress from the 25th August—1st September 2018.

The call for Papers for IEA2018 is now open! IEA congresses usually contain a blend of papers and workshops, including research, case studies and practical applications. Abstracts are welcome from academics, practitioners and educators. The key dates are listed in the article at the bottom of this page.

On a more somber note, it is my sad duty to inform you that Roger Hall, one of our IEA Visual Ergonomics TC members, died in July 2017. A brief obituary is given on page 2 of this newsletter.

The remainder of this August edition of the IEA Visual Ergonomics newsletter contains news items from Sweden, Canada, Brussels, Singapore—and even cyberspace. I hope you enjoy reading it.

This newsletter is possible due to the contributions and news items sent in by our members. Thank you to everyone who contributed. If you have any items for the next newsletter, then please send them in to me by the 30th November.

Happy reading!

Jennifer Long

IEA Visual Ergonomics TC Chairperson



CALL FOR PAPERS NOW OPEN IEA2018 Triennial Congress

The 20th IEA Triennial Congress will be held in Florence, Italy, 25th August 2018 —1st September 2018. The call for papers is now open at www.iea2018.org

Key dates are:

- ⦿ **30 September 2017**: Closing “Call for Papers”: Special sessions, symposia, workshops and short courses
- ⦿ **30 November 2017**: Closing “Call for Papers”: Scientific abstracts, history and stories of human factors and ergonomics
- ⦿ **30 December 2017**: Closing “Call for Papers”: History and stories of human factors and ergonomics
- ⦿ **31st January 2018**: Notification for accepted papers

Registrations are also open at www.iea2018.org. Early bird registration closes 30th April 2018.

Upcoming Events

Nordic Ergonomics Society (NES) Annual Conference, Lund, Sweden 20-23 August 2017.

<http://www.eat.lth.se/nes2017/>

CIE 2017 Midterm meeting, Jeju Island, Republic of Korea, 24-27 October 2017

http://www.cie.co.at/index.php?i_ca_id=1001

IEA 20th Triennial Congress, Florence, Italy 25th August—1st September 2018.
<http://iea2018.org/>

Congratulations!

Christina Zetterlund successfully defended her doctoral thesis “Visual , musculoskeletal and balance symptoms in people with visual impairments” on the 2nd June 2017 at Örebro University in Sweden. Christina’s supervisors were Lars-Olof Lundqvist and Hans Richter, and her opponent during the thesis defence was Associate professor Tony Pansell (who was the first optometrist in Sweden to graduate with doctors degree).

Here is a link to Christina’s thesis:

<http://oru.diva-portal.org/smash/record.jsf?pid=diva2:1089059>

Congratulations Christina!

Christina Zetterlund together with Associate professors Lars Olof Lundqvist and Tony Pansell.



Focus on Research

Visual Ergonomics in Control Rooms by Susanne Glimne

Susanne Glimne (Karolinska Institutet, Sweden) has been awarded research funding (2 270 000 SEK) to evaluate visual ergonomic conditions in control room environments, comparing them with guidelines and legal requirements and formulating recommendations to reduce the risk of visual and stress disorders.

The rationale for the project is that technological developments have led to increasing numbers of control room environments with processes such as industrial manufacturing, traffic monitoring, operation of trains, airplanes and ships or television production. Few studies have been conducted in control rooms investigating eye fatigue, headache and musculoskeletal disorders in neck and shoulder in relation to visual ergonomics conditions.



The project "Importance of optimized visual ergonomics conditions for sustainable work in control room environments" will be managed by Susanne together with Cecilia Österman (Linnaeus University, Maritime Academy) and is expected to continue until 2020.

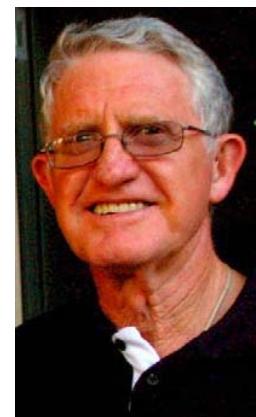
VALE: Roger Hall (1947-2017)

Roger Hall, ergonomist and Fellow of the Human Factors and Ergonomics Society of Australia (HFESA), died in Sydney on the 24th July 2017 from complications of a leukemia-related illness.

Roger worked within ergonomics for 40 years, and in 2013 was awarded the HFESA's Tom Triggs Award for his work in the general field of visual ergonomics (perception, vision, lighting and visual performance) and specifically in the human factors of driving at night. He was also well known in Australia as a teacher and project supervisor in the ergonomics program at the University of New South Wales (UNSW) in Sydney, which he did for nearly 20 years.

Attendees at IEA2015 might remember Roger as one of the chairpersons of the visual ergonomics parallel sessions. If you have been to other IEA congresses over the past 40 years, you may remember Roger in other capacities—during his career he attended 10 IEA congresses! Roger was also the Australian council member of the IEA from 1982-1991.

Roger was farewelled at a private family funeral on the 2nd August 2017. A memorial service will be held in Sydney in September.



**NEXT NEWSLETTER DEADLINE:
30th NOVEMBER 2017**
jlong@visualergonomics.com.au

Meeting reports

CIE releases Final Report CIE Stakeholder Workshop for Temporal Light Modulation Standards for Lighting Systems by Jennifer Veitch

Contemporary lighting systems vary widely in the degree to which their light output shows temporal variations (temporal light modulation, TLM). TLM is known to affect human visual perception, neurobiology, and performance, sometimes in adverse ways. Many standards development organizations, regulators, and certification bodies have been active in seeking to address these issues. Some researchers are actively studying the effects of TLM. However, current activities are uncoordinated and risk being inefficient. The CIE, with the support of Natural Resources Canada – Office of Energy Efficiency, the National Electrical Manufacturers' Association, Philips Lighting, BC Hydro, and the National Research Council of Canada, convened a stakeholder workshop in Ottawa, Canada, **February 8–9, 2017**, to provide an impetus towards improved collaboration.

The objective of this meeting was to develop a roadmap of research, recommendations, and standards activities related to temporal light modulation from lighting systems that are needed in order to speed up the process of developing international standards in an efficient way while preventing overlap and duplicate effort. The scope of the meeting was limited to developing the roadmap, establishing collaborations, and dividing the work amongst participants. The meeting was not intended to establish the content details for future standards documents. The report of the meeting summarizes the current state of knowledge and standardisation concerning TLM, identifies gaps, and sets out the roadmap developed by the workshop participants. The roadmap leads, through collaborative effort, to evidence-based international standards intended to limit undesirable TLM from lighting products and systems. Lighting systems that meet these standards will thereby support the needs of lighting end-users, which will facilitate the market acceptance of new technologies and the achievement of energy-efficient targets.

A copy of the report can be accessed here:

CIE TN 008:2017 (free!); http://www.cie.co.at/index.php/LEFTMENUE/index.php?i_ca_id=951

Activities of the Federation of European Ergonomics Societies in June 2017 by Marino Menozzi

The annual meeting of the Federation of European Ergonomics Societies (FEES, www.ergonomics-fees.eu) was held in Brussels on the **26th of June 2017**. Marino Menozzi, vice chair of the TC VE, attended the meeting in a double mandate, as a representative of Swissergo (Swiss society of Ergonomics) and of GfA (German Ergonomics society). Apart from discussions aiming to coordinate activities concerning the IEA conference 2018 in Florence, FEES decided to adapt its rules and include the associated membership as a new type of membership. The associate membership offers the possibility to actively contribute to the promotion of Ergonomics in the EU at a reduced membership rate, however, without the right of vote on FEES affairs. FEES elected Pedro Ferreira (Portugal) as the new treasurer. The president of the IEA, prof. Dr. Yushi Fujita and the treasurer of the IEA, prof. Jose Orlando Gomes, followed the FEES meeting in Brussels as representative of IEA. In a talk, prof. Fujita promoted a model aiming to better tailor provision of services in ergonomics to the needs and understandings of potential customers. Prof. Fujita concluded the meeting reporting about international activities of the IEA and the role of IEA in supporting activities of regional groups.

Virtual Ergonomics Summit, May 2017

Jeff Anshell was a presenter in the 2017 Virtual Ergonomics Summit hosted by the American Posture Institute. This was an online conference in which pre-recorded presentations could be viewed online over a 3 day period in **May 2017** and participants could interact with the speakers in a chat-room. Jeff's presentation "Posture and vision: the eyes lead the body" was one of 17 presentations. Other presentations during the summit included ergonomics in the mobile world, sitting posture and chair fit, and repetitive stress injuries.

Happy birthday, Human Factors and Ergonomics Society of Singapore

To celebrate Human Factors Ergonomics Society of Singapore (HFESS)'s 30th Anniversary, HFESS will be hosting the Human Factors Symposium at Singapore University of Social Sciences (formerly known as SIM University) on the **29-30 August**. The goal of this symposium is to provide a platform for local, regional and international HFE practitioners to discuss HFE challenges in the technological landscape and potential research directions to focus on. Further information about this symposium can be found at <http://www.hfess.org/>

