

Dear members of the [IEA Ergonomics in Design for All Technical Committee](#),

[Welcome](#) to our second year and third newsletter!

Promoting Ergonomics in Design for All is a core activity of our EinDfA TC.

If you have any news on conferences, publications or standards, let me know **by the end of May** for the next newsletter.

You can find information about objectives, domains of interest, members of the TC here:

<http://www.iea.cc/about/technical.php?id=56d641e4ddc48>

I wish you a pleasant reading and good work,

[Isabella T. Steffan](#)

IEA Ergonomics in Design for All - TC chairperson

A HUGE SUCCESS - IEA ROUND TABLE “ERGONOMICS IN DESIGN FOR ALL” Amersfoort (NL)

As anticipated in the last newsletter, a round table discussion took place during the Annual FEES Council meeting in November 2016. The introduction featured [Isabella T. Steffan](#), who centered her speech on the definition of Design for All and its key words: diversity, interaction, participation, while [Alexander Rosemann](#), Professor at Eindhoven University of Technology, explained the research project "Creating Healthy Environments - Offices" born out of a collaboration between the University of Technology in Eindhoven, Philips Lighting and Deloitte, which investigates the opportunities offered by the smart technology for lighting in the living laboratory "the Edge", office building in Amsterdam-Zuid designed by PLP Architecture in London. The "Human centric lighting" must adapt to the preferences of each user: this requires intelligent lighting solutions. [Jan Doornbusch](#), from the Dutch Human Factors NL, described the CEN-CENELEC Guide 6 and how it can help ergonomists involved in standardisation. Guide 6 consists of 7 tables, each dealing with one focus, for example information, packaging, user interfaces, buildings, etc. and focuses on sensory, physical, cognitive-abilities and allergy in combination with "factors to consider" like alternative format, layout, colour, loudness, surface temperature, etc. [Harald Weber](#), Professor at the Technical University of Kaiserslautern, presented the concept of user involvement in the design process. Although Design for All has no particular focus on people with disabilities, reflections on how to address their needs in a participatory design and development process can provide helpful insights on areas where further improvements of the tools and methods in ergonomics are essential and required. [Hidde van der Ploeg](#), Professor



The Edge, Amsterdam-Zuid

at the VU University Medical Centre Amsterdam, talked about studies showing that sedentary behaviour is negatively associated with a range health outcomes. Strategies to reduce sitting time are needed and might be challenging for certain job types such as pilots and truck drivers, and also for people with low mobility such as people in wheelchairs. [Richard H.M. Goossens](#), Professor at Delft University of Technology argued that ergonomics is an important part in the design of products and services in healthcare, and the patient journey gives the designer the broad scope that is needed and must be kept throughout the design process.

Both the speakers panel and the audience consisted of individuals from various countries. The huge international participation and the active discussion have shown that the work of the IEA TC Ergonomics in Design for All is seen as an important and valuable activity. There is broad support for the aim of the TC to establish "Design for All" as a generally accepted and applied methodology in the process of designing for products, services and processes.

ergonomics-fees.eu

EC WORKSHOP IN BRUXELLES

The [European Commission - Employment, Social Affairs & Inclusion](#) organised a “[Workshop on Accessibility of Products and Services](#)” with key experts and high-level decision makers on the 2nd and 3rd of February.

The objective of this workshop was to present the concrete aspects of accessibility and the business case for providing accessible products and services. The workshop reflected the state of the art of accessibility legislation, policies and products and services in the areas covered by the current proposal for a [European Accessibility Act](#). Speakers came from various stakeholders, namely policy-makers, accessibility experts, industry, disabled persons and practitioners, from the EU as well as the USA. Participants were representatives of Member States administrations, Members of the European Parliament, European Commission, European Economic and Social Committee, European Disability Forum, Older persons and consumer organizations Industry, U.S. experts from the Federal administration and others. The workshop was accompanied by a demonstration of some accessible products and services readily achievable in the market.

A NEW CENTRE FOR UNIVERSAL DESIGN

The [CUDA Centre for Universal Design Australia](#) has been set up in 2016 to bring diverse groups together for the purpose of social and economic inclusion, to put Australia at the forefront of best practice in universal design and to gather and share knowledge and experience about universal design.

Among others, they seek to: [be a resource centre](#) for the general public, advocacy organisations, industry, commerce, and health sectors; [innovate by understanding users' real needs](#) within their operational context; [develop standards](#) to assist in the practical application of universal design principles within individual disciplines and sectors; [support research programs](#) relating to social and economic inclusion; [link](#) with similar centres overseas and [be a platform](#) for international connections. universaldesignaustralia.net.au

STANDARDS - ISO 21542:2011 NOW UNDER REVISION

The [International Standards Organization \(ISO\)](#) developed [ISO TC 59/SC 16 Accessibility and Usability of the Built Environment](#) and edited [ISO 21542 Accessibility and usability of the built environment](#) in 2011. This standard specifies a range of requirements and recommendations for many of the elements of construction, assemblies, components and fittings which comprise the built environment. These requirements relate to the constructional aspects of access to buildings, to circulation within buildings, to egress from buildings in the normal course of events and evacuation in case of an emergency. It contains provisions with respect to features in the external environment directly concerned with accessibility. It does not deal with those elements of the external environment, such as public open spaces, nor does it deal with single family dwellings. The [ISO/TC 59/SC 16/WG 1/TG](#) has just started a “light review” of [ISO 21542:2011](#). The main items for review include vision impairment, ramps, fire safety and the index. A new item is the inclusion of [Heritage Buildings](#).

ACCESSIBILITY STANDARDS IN ISO/TC159 ERGONOMICS

[ISO/TC159 "Ergonomics"](#) is one of the leading TCs in ISO to support [ISO/IEC Guide 71](#) (published in 2001 and identical to CEN Guide 6, and revised in 2014) and to promote increasing accessibility in industry fields by standardization. Ergonomic standards, concerning general or specific accessibility issues, have been developed since 2002, and the related works have been expanded into other SCs and WGs in TC159.

[Details](#) will be informed [in the next newsletters](#).

THE “FRIENDLY AND INCLUSIVE SPACES” AWARD 2016



The [second edition](#) of the [International Union of Architects \(UIA\) “Friendly and Inclusive Spaces”](#)

[Awards](#) had entries from more than 30 countries and all continents around the world. The Awards recognise and promote Inclusive Design, Accessibility and Design for All in New buildings, Existing and Historic Buildings, Public spaces and Research. The Award entries are assessed in two stages. The first stage juries are based in four global regions. The meeting of the West European and African region jury was held in Madrid, on February 17th on the occasion of the UIA Architecture for All Region I working group meeting. This jury comprised: [Jim Clemes](#), Luxemburg (honourable mention Durban 2014); [Jane Simpson](#), UK; [Joseph Spiteri](#), Malta; [Fernando Garcia Ochoa Montes](#), Spain; [Isabella Tiziana Steffan](#), Italy; [Monica Klenovec](#), Austria; [Magda Mostafa](#), Egypt (winner Research Category Durban 2014); [Phillip Thompson](#), South Africa. Shortlisted projects will be assessed by an international jury chaired by UIA past president, [Vassilis Sgoutas](#), Greece. The jury will include: [Krzysztof Ingarden](#), Poland (medal winner Durban 2014); [Krzysztof Chwalibog](#), Poland, Co-Director UIA Architecture for All WP; [Fionnuala Rogerson](#), Ireland, Co-Director UIA Architecture for All Work WP; [Joseph Kwan](#), Hong Kong, Co-ordinator UIA Region IV Architecture for All WP; [Eduardo Elkouss](#), Spain, Co-ordinator Region III UIA Architecture for All WP. The winners will be announced at the UIA World Congress in Seoul in September 2017 and will benefit from international recognition and publicity. uiafriendlyspaces.awardsplatform.com



EU-DESIGN AWARD 2016 -2017

[Eu-Design](#) is an award given to products, services and digital artifacts, presented by designers or manufacturers, which denote a particular attention towards the issues of ergonomics, usability, user experience and innovation, i.e. an attention that allows the creation of “human scale” artifacts:

www.eu-design.it/en/index-en.html

Are you an innovative company? Do you have a product, an application, an interface that belongs to one of this year’s subcategories? Are you an ergonomist or a designer who has designed a product/artifact following User Centered Design methodologies? You can participate to [Eu-Design Award 2016-2017](#) by enrolling up five products / digital artifacts / services. Here are the details of what you should do in order to candidate your product:

eu-design.it/en/participate.html

The official delivery time for applications is [May 31th 2017](#).



RECENT PUBLICATIONS

[ECA 2017 “Design for All in Tourist destinations”](#) to provide advice and guidance on how to implement the concept of “Design for All” in tourist destinations (published online - www.eca.lu).

