



# 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>  Professionalization of occupational health and safety management in Danish companies and the effects on worker participation <b>Rikke Seim</b>  Some pieces for the worker participation puzzle from New Zealand <b>Kirsten Olsen</b>	Prospective Ergonomics for the Design of Future Artefacts: recommendations and methods <b>Jean-Marc Robert</b>  Prospective analysis of innovative uses for tabletops in classrooms <b>Cedric Knibbe</b>  Case study: A prospective ergonomics approach to R&D at CAE <b>Marie-Claude Prévost</b>  Prospective ergonomics in the ideation of hydrogen energy usages <b>Eric Brangier</b>	Protecting Fishermen from Hazards on Deck: Winch Entanglements' Research to Practice <b>Jennifer Lincoln</b>  Exploratory (multi) cost benefit analysis in New Zealand's fishing industry <b>Dave Moore</b>  Dehydration in New Zealand fishing vessel crews <b>Marion Edwin</b>  Artisan fishing with rafts: relation between raftsmen activity and fish quality <b>Maria Christine Weba Saldanha</b>	Perceived harmful factors in agricultural work environments in Finland <b>Merja Perkio-Makela</b>  A systematic review about work-related problems incurred by agricultural pilots <b>Mateus Zanatta</b>  Effect of head gear on body thermal responses at different WBGT conditions for agricultural workers in Western India <b>Abhay Kumar Mehta</b>  Nature and impact of agricultural accidents in eastern region of India <b>P Kampurath</b>	Employee participation in product innovation: Crossing organizational boundaries by alignment of work systems <b>Ole Broberg</b>  Terminology Based Visualization of Interfaces in Interdisciplinary Research Networks <b>Thomas Thiele</b>  Situation awareness in production planning and scheduling <b>Martina Berglund</b>	Analysis of a 3D Anthropometric Data Set of Children for Design Applications <b>Lya Goto</b>  A pilot study of three-dimensional equipped anthropometry for workspace design <b>Monica L.H. Jones</b>  Body Models of Occupational Groups for Special Vehicle Design Applications <b>Hongwei Hsiao</b>	Insect Behavior as Source of Inspiration for Designing Intuitive Human-Computer Interaction <b>Takashi Toriizuka</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>  The effect of product style on consumer satisfaction: Regulation by product involvement <b>Chang GE</b>	Computer-based haptic control assessment of 3-D manipulation and drawing skill with analytical application of machining metrics <b>David Kaber</b>  Evaluation of Visual Fatigue and Sense of Presence for CAVE-like multi-projection display <b>Tetsuri Inoue</b>  Usability of argh! AR-system for on-the-job learning - Usability tests in mixed reality lab <b>Kaj Helin</b>  Designing a virtual environment for professional training from an activity framework. Dialog between ergonomists and computer scientists <b>Catherine Delgoulet</b>	Improving the implementation of ergonomics advice - a Stage of Change approach <b>Paul Rothmore</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>  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>  Psychosocial factors and musculoskeletal disorders – the challenges for the Victorian Regulator <b>Alison Gembarovski</b>	Muscle Functional Connectivity During Text Entry using Personal Computers and Smart-Phones <b>Pascal Madeleine</b>  Influence of posture awareness signals to the upper extremity posture and muscular loads during mobile device use <b>Daisuke Hashimoto</b>  Tablet virtual key size recommendations based on race and gender <b>Peter Johnson</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>	Use and views of an electronic risk assessment tool for venous thromboembolism - a case for user-centred design <b>Melissa Baysari</b>  Nurse cognition of medication adverse events <b>Chian-Huei Chen</b>  Developing Medication Safety Training Applications with Software Patients for Human Teams <b>Barrett Caldwell</b>  Ergonomics Approach: Prescription error prevention for the healthcare industry <b>Chihwei Lu</b>  Impact of Fatigue Risk Management System on Fatigue and Situation Awareness in Intensive Care Unit Nurses <b>Sarita Dara</b>  A strategy for engaging with the Australian optometry profession to reduce the risk of work-related discomfort in clinical optometrists <b>Jennifer Long</b>	Headway distances of elderly drivers: Longitudinal study over one decade <b>Toshihisa Sato</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>  Smartphone-controlled Methods of Unmanned Vehicular Parking <b>Takeki Ogitsu</b>  Voice Control Interfaces: When, how and why they are used by drivers in Australia <b>Nurul Ikham Ibrahim</b>	Ergonomic Workplace Analysis: How to select the best tool? <b>Jerrish A Jose Deepak Sharan</b>

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	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>

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	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>			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>	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>			The Back Pains of Pet Grooming <b>Rosemary Seva</b>	Symposium discussion

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	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>	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>		The Centre for Registration of European Ergonomists CREE <b>Bernard Dugue</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 Sznclwar	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 Ghibardo</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>	



Tuesday 11 August 2015 cont...

	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														Plenary 1
	Safety-related human factors issues in self-driving cars <b>Dr Trent Victor, Chalmers University of Technology, Sweden</b>														
0945–1015	Morning 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
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>

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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>	

		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>											

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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>	

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	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>

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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 Bathing 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>	Deindividuation of Drivers: Is Everyone Else a Bad Driver? <b>Gaby Hancock</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>	Ergonomics supports Design for All <b>Francesca Tosi</b>	Analysing the evolution of online communities: developmental and narrative approaches <b>Francoise Detienne</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>	Five unexpected effects of HOF actions of improvement in risk industries <b>Guillaume Hernandez</b>	A study of the relationship between sit-to-stand activity and seat orientation <b>Chikamune Wada</b>	Why are we not learning to manage manual tasks in the Mining Industry? <b>Justin Ludcke</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>	Should we recommend people to stand more than sit at work? <b>Maggie Graf</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>	Doing it Differently: group processes for research and practice <b>Anjum Naweed</b>	Management of Dilemma under Sleep Deprivation in Anesthesiology Residents: a Simulation-Based Study <b>Anais Job</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>
	Introduction of mining equipment: key factors for sustainable development <b>Bryan Trudel</b>	Lighting - One size fits all OR design for all? <b>Jennifer Long</b>	Will patients like me. com affect the doctor-patient relation and the work environment of doctors? <b>Lena Petersson</b>		Work characteristics at midlife and musculoskeletal pain among municipal employees <b>Subas Neupane</b>	The production of prescriptive documents in high-reliability organizations: an exploratory diagnosis <b>Camille Thomas</b>	Systematic reviews and patient falls: are reportable factors consistent <b>Louise Whitby</b>	Using Bow Tie analyses to enhance accident investigation activities <b>Philippa Dodshon</b>		Drudgery and occupational health hazards of women farmers in cotton cultivation <b>Hemu Rathore</b>	Long lasting muscle fatigue after standing work <b>Gabriela Garcia</b>	The Future Inquiry Workshop in practice and research <b>Anjum Naweed</b>	The Field Diaries: an innovative participatory methodology <b>Denis Coelho</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>	Effect of Locomotion Environment Familiarity and Cognitive Loading on Gait Control and Situation Awareness in Multitasking <b>Carl Pankok Jr</b>
	Cooling technologies for reducing thermal constraints in deep underground mines: OHS challenges <b>Stephane Halle</b>	Ergonomics can reduce or eliminate barriers <b>Andrew Petersen</b>			Self-reported exposure to biomechanical demands amongst Australian workers: What happens to older workers? <b>Tessa Keegel</b>							Chronicle workshops - a participative method to develop workplaces <b>Sisse Gron</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>Maaik 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 mochtis 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												
	Level 1 foyer												

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.