

**2 June 2014**

**Parallel session I - 15.30-16.50**

<b>Room 304</b>	<b>Room 310</b>	<b>Room 467</b>	<b>Room 567</b>
<b>Session I Chair: Evelyn Teo Ai Lin</b>	<b>Session II Chair : Phil Bust</b>	<b>Session III Chair: Dieter Schlagbauer</b>	<b>Session IV Chair: John Gambatese</b>
<p>A Real Time Approach to Measuring Corporate Safety Climate <i>Robert S. Cram and Julie-Ann Sime</i></p> <p>Strategic an Integrated Framework for Strategic Safety Management in Construction and Engineering <i>Riza Yosia Sunindijo &amp; Patrick X.W. Zou</i></p> <p>Improving Health and Safety through Interventions in Safety Cultures <i>Christian Koch</i></p> <p>Risk Perception and Safety Behaviour: An Ethnographic Study <i>David Oswald, Simon Smith &amp; Fred Sherratt</i></p>	<p>Safety Aspect in Constructability Analysis with BIM <i>Kristiina Sulankivi, Matti Tauriainen, Markku Kiviniemi</i></p> <p>Safety on Construction Sites in Areas Subjected to Seismic Risk <i>Renato G. Laganà</i></p> <p>Improving Construction Health and Safety Management in Structural Alteration and Basement Construction to Existing Structures <i>David Oloke</i></p> <p>Exploring Prefabrication Facility Safety in the U.S. Construction Industry <i>Sebastian Soto, Bryan Hubbard and Sarah Hubbard</i></p>	<p>Would the Time-Delay of Safety Data Matter? Real-Time Active Safety System (RASS) for Construction Industry <i>Ruwini Edirisinghe, Helen Lingard, Nick Blismas, Ron Wakefield</i></p> <p>Virtual Construction Site Safety Monitoring (V-SaM) <i>Edward J. Jaselskis, Michael Behm, Matthew Stimpson, Cordelia Nelson</i></p> <p>Evaluating the Potential and Challenges of Utilising Computational Simulation to Design Safety Management and Culture Interventions <i>Yang Miang Goh &amp; Palak Gupta</i></p> <p>The Application of Deductive Logic to Determine the Objective Conditions Impacting Upon Cultural Maturity <i>Ciaran McAleenan &amp; Philip McAleenan</i></p>	<p>Nanoparticles - Are They Safe and Why Should We Care Anyway? Introducing A New Research Initiative <i>Gibb A.G.F, Bust P.D, Goodier C.I &amp; Song M</i></p> <p>Construction Hazard Prevention: The Need to Integrate Process Knowledge into Product Design <i>Ron Wakefield, Helen Lindgard, Nick Blismas, Payam Pirzadeh, Brian Kleiner, Thomas Mills, Andrew McCoy &amp; Lance Saunders</i></p> <p>Progressing Zero Harm: A Review of Theory and Applications for Advancing Health and Safety Management in Construction <i>Manikam Pillay</i></p> <p>The Motivators for Addressing Construction Health and Safety (H&amp;S): A Hierarchical Perspective <i>John Smallwood</i></p>

3 June 2014

Parallel session II – 08.30-10.00

Room 243	Room 304	Room 310	Room 467	Room 567
<p><b>Session I Chair:</b> <b>Rafiq Choudhry</b></p>	<p><b>Session II Chair</b> <b>Kristiina Sulankivi:</b></p>	<p><b>Session III Chair:</b> <b>Robert Ågren</b></p>	<p><b>Session III Chair:</b> <b>Martin Hooper</b></p>	<p><b>Session IV Chair:</b> <b>Chuansi Gao</b></p>
<p>Healthy construction workers by better workplace design <i>Stephanie Eaves, Diane Gyi &amp; Alistair Gibb</i></p> <p>Drug and Alcohol Use in the Australian Construction Industry: A Case Study <i>Ehsan Gharaie, Terry Hatzimagas, &amp; Claude Zeina</i></p> <p>From Zero Accidents to Well-being and Positive Health <i>Valentina Villa, Amarjit Singh &amp; G.M. Di Giuda</i></p> <p>The Impact of Annual Employee Medicals on a General Contractor (GC) and its Employees' Sustainability <i>John Smallwood &amp; Claire Deacon</i></p>	<p>The Development of an Automated Multi-Level Safety Climate Benchmarking Tool for Construction Projects <i>Ruwini Edirisinghe, Rita Zhang, Helen Lingard &amp; Frank Boukamp</i></p> <p>Formalizing Construction Safety Knowledge for Intelligent BIM-Based Review of Design for Safety <i>T.Q. Nguyen, Ernest L.S. Abbott, David K.H. Chua &amp; Y.M. Goh</i></p> <p>Design Risk Management Practices and Assessment Tools for Safety in Construction: Opportunities for BIM <i>Kihong Ku</i></p> <p>The Potential of BIM for Safety and Productivity <i>Teo Ai Lin Evelyn, George Ofori, Imedla Krisiani Tjandra &amp; Hanjoon Kim</i></p>	<p>Changing Construction Safety Culture and Improving Safety Outcomes by Design Thinking and Co-Production: Research Proposal and Preliminary Results <i>Patrick X.W. Zou, David Marsh, Mark Evans and Alex Sherrard &amp; Jerry Howard</i></p> <p>SME–micro Engagement with Occupational Safety and Health (OSH) - The Role of the Owner-Manager <i>Aoife Finneran, Elaine Yolande Gosling, Alistair Gibb, &amp; Phil Bust</i></p> <p>Exploring the Utility of Construction Industry Safety Culture <i>Fred Sherratt</i></p> <p>Leadership - A Negation of Agency or an Opportunity to Develop Autonomous Action for Workplace Safety <i>Philip McAleenan, Ciaran McAleenan</i></p>	<p>Prevention guide for designers based on analysis of about 2000 accidents <i>Alfredo Soeiro, Bianca Silva &amp; Beda Barkokebas</i></p> <p>Evaluating the Inadequacies of Horizontal Lifeline Design: Case Studies in Singapore <i>Qiao Wang, Yee Pin Hoe &amp; Yang Miang Goh</i></p> <p>Integrated Safety in Design <i>Casper Siebken Schultz &amp; Kirsten Jørgensen</i></p> <p>Designer's Perceptions of Safe Design and Its Potential for Innovation <i>Ronan McAleenan &amp; Michael Behm</i></p>	<p>Insulation of traditional Indian clothing: Estimation of climate change impact on productivity from PHS (predicted heat strain) model <i>Kalev Kuklane, Karin Lundgren, Tord Kjellstrom, Vidhya Venugopal, Jintu Fan &amp; George Havenith</i></p> <p>Distribution of Breaks in the Construction Industry <i>Dieter Schlagbauer &amp; Detlef Heck</i></p> <p>Workplace Stress and Its Impact Analysis for Strategic Stress Management in Construction Projects <i>YK Fiona Lamari &amp; Seokho Chi</i></p> <p>Comparative Ergonomic Assessment of Slab Formwork Systems <i>Dieter Schlagbauer &amp; Detlef Heck</i></p>

**3 June 2014**

**Parallel session III – 15.00-17.30**

<b>Room 304</b>	<b>Room 310</b>	<b>Room 467</b>	<b>Room 567</b>
<b>Session I Chair: Ciaran McAleenan</b>	<b>Session II Chair : Fred Sherratt</b>	<b>Session III Chair: Kristian Widén</b>	<b>Session IV Chair: Ruwini Edirisinghe</b>
<p>Validity and Reliability of Dependent Variables: Considerations for Construction Safety Researchers <i>Michael Behm, Helen Lingard, Jeffrey Bruening</i></p> <p>An Agent-Based Framework for Modelling Construction Safety Related Behaviours <i>Zhongming Jiang, Dongping Fang &amp; Tao Wang</i></p> <p>Taking Stock of Zero Harm: A Review of Contemporary Health And Safety Management in Construction <i>Manikam Pillay</i></p>	<p>Owner Role in Safety Performance: a Case Study of Chinese High-Speed Railway Construction <i>Chunlin Wu, Dongping Fang, Feng Wang &amp; Minglai Xu</i></p> <p>Owner Views on Designer Participation in Construction Safety <i>Nicholas Tymvios &amp; John A Gambatese</i></p> <p>Analysis of Difference/Similarity between Construction Project Participants' Work Health And Safety (WHS) Risk Perceptions <i>Rita Peihua Zhang, Helen Lingard, Nick Blismas, Ron Wakefield &amp; Brian Kleiner</i></p>	<p>Thought Consistency Questions in Safety Climate Surveys - A Case Study Example <i>David Oswald, Simon Smith &amp; Fred Sherratt</i></p> <p>Temporary Works Accidents - An Investigation of the Role of the Temporary Works Coordinator in the UK. <i>Sarah C Williams, Alistair G.F Gibb &amp; Phil D Bust</i></p> <p>Investigation of fall protection practices in the construction industry of Pakistan <i>Rafiq M. Choudhry, Bilal Tariq and Hamza F. Gabriel</i></p>	<p>Near-miss reporting among construction workers <i>Radhlinah Aulin &amp; Emma Linderbäck</i></p> <p>Skill Decay of Wind Turbine Technicians in the use of Rescue and Evacuation Device During Emergency <i>Billy Hare, Kenneth Lawani &amp; Iain Cameron</i></p> <p>Screening for Fatigue-related Impairment in the Workplace <i>Ronald Powell &amp; Alex Copping</i></p>
<i>Break</i>			
<p>An Effective Remedy -Work Safety Culture <i>U Chit Ko Pe</i></p> <p>Investigating Safety Management on Construction Projects <i>Rafiq M. Choudhry</i></p> <p>The Costs of Workplace Accidents to Australia's Building Contractors <i>Yingbin Feng, Peng Wu, Xiaohua Jin &amp; Jian Zuo</i></p>	<p>A Construction Safety Education System Based on Interactive Virtual Reality <i>Akeem Lanre Pedro &amp; Chan Sik Park</i></p> <p>The Role of Simulation-Based Learning in the Occupational Health Training of Younger Construction Workers <i>Nyateka N Gibb A. G. F, Dainty A. R. J, Bust P. D &amp; Cook S</i></p> <p>Improving Safety Culture Understanding Using a Computerised Learning Environment <i>Robert S. Cram and Julie-Ann Sime</i></p>	<p>Additional Evidence of the Sustainable Construction Safety and Health (SCSH) Rating System's Effectiveness <i>Sathyanarayanan Rajendran &amp; John A. Gambatese</i></p> <p>A Systematic Literature Review of Current Research on Prevention and Protection of Fall from Height <i>Lili Poon, Yang Miang Goh &amp; Zhipeng Zhou</i></p> <p>Using a Walkway with Adjustable Inclination to Measure and Assess Slip and Fall Risks <i>Chuansi Gao, Amitava Halder, Ingrid Svensson, Gunvor Gard, Giorgos Nikoleris, Per-Erik Andersson &amp; Måns Magnusson</i></p>	<p>Health and safety knowledge in complex networked organisations: training the chain <i>P.D. Bust, A.M. Finneran, R. Hartley &amp; A.G.F Gibb</i></p> <p>Climatic Heat Risk management in Construction: A Socio-Ergonomic Theory <i>Steve Rowlinson &amp; Yunyan Andrea Jia</i></p> <p>A Study of the Proactive Occupational Safety and Health Work in a Swedish Construction Company - The Example of Vibration Exposure <i>Åsa Ek, &amp; Petra Andersson</i></p>