

TECHNICAL PROGRAM



Research, Development and Practice in Structural Engineering and Construction

The First Australasia and South East Asia Conference in Structural Engineering and Construction
Perth, Western Australia, 28 Nov – 2 Dec 2012

Wednesday, 28 Nov 2012

14:00 – 18:00	Registration <i>(The registration desk will be open during conference hours)</i> Campus Tour (Optional)	Foyer, Engineering Pavilion Building 213
17:00 – 19:00	Welcome Reception	Foyer, Engineering Pavilion Building 215

Exhibitor

28 – 30 Nov	BENTLEY Building Information Modeling System	Contact: Ivy Branson < Ivy.Branson@bentley.com >	Foyer, Engineering Pavilion Building 215
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Thursday, 29 Nov 2012

Opening Session

07:30 – 17:00	Registration <i>(The registration desk will be open during conference hours)</i>	Foyer, Building 213
8.20 - 10.00	Conference Briefings: Curtin University Dr. Ian Chandler, Conference Chair, Department of Civil Engineering, Curtin University Welcome to Curtin University Vice Chancellor Professor Jeanette Hacket: Welcome to Country and Welcoming Remarks Prof Andris Stelbovics, PVC, Faculty of Science and Engineering Welcoming Remarks: Engineers Australia Mr Barry Tonkin, Western Australia Division President / National Councillor, Engineers Australia Welcoming Remarks: ISEC Society Prof. Amarjit Singh, President of ISEC Society Welcoming Remarks: School of Civil and Mechanical Engineering, Curtin University Prof Tony Lucey, Head, School of Civil and Mechanical Engineering, Curtin University Keynote Prof. Dr. Amarjit Singh, Management Science Under the Lens of Chaos	Building 213 Room 104
10:00 – 10:30	Break & Exhibitor Showcase	Foyer, Engineering Pavilion (Building 215)



Technical Session I -- Thursday, 29 November 2012; Time: 10:30 – 12:30

Session Chair Frank Yazdani	Session Chair Arie Gottfried	Session Chair Natalie Lloyd	Session Chair Sanjay Kumar Shukla	Session Chair Sai On Cheung
ROOM A SEISMIC & STRUCTURES	ROOM B QUALITY SYSTEMS	ROOM C STRUCTURES & EDUCATION	ROOM D STRUCTURES & EXPERIMENTS	ROOM E SUSTAINABILITY & BUILT ENV.
Seismic Performance Assessment of Steel Moment Frames with Generic Locally Reinforced Connections <i>S. A. Jalali and M. Banazadeh</i>	Integrating Teams for Built Asset Development and Management – A Hong Kong Perspective <i>M. Kumaraswamy, K. Wong and G. Mahesh</i>	Response of Orthotropic Plates to Localized Blast Load <i>S. W. Alisjahbana and W. Wangsadinata</i>	The Use of Carbon Fiber Reinforced Polymer (CFRP) for Reinforcing Walls of Aerated Concrete Blocks in Buildings, Constructed in Seismic Regions <i>A. Granovskiy and B. Dzhamev</i>	Assessment of Embodied Energy and Carbon Emission of Building and Construction Processes in Malaysia Using Process-Based Hybrid Analysis <i>W. O. Wan Sabki, J. H. Doh, K. Panuwatwanich, A. Balasubramaniam, D. Miller and J. W. Kim</i>
Impact of Near-Field Ground Motions on the Vulnerability of Multi-Story Buildings <i>A. Mwafy</i>	Safe Management in Design and Construction Site of Cultural Heritage Building Facade Appropriate Repair <i>R. G. Lagana and M. Barbato</i>	Effects of Palm Oil Fuel Ash on the Permeable Porosity and Water Absorption of High-Strength Concrete <i>Md. Safiuddin, M. Z. Jumaat, M. A. Salam and M. A. Rahman</i>	Measurements of Structural Vertical Displacement Using Digital Image Correlation Methods <i>C.H.Chiang, J. Lai, Y.W. Chen and YF Huang</i>	Maintenance Oriented Approach – Technological Design to Ethic of Sustainability <i>M. Di Sivo and D. Ladiana</i>
Next Generation Partial strength Steel Moment Frame Connections for Seismic Resistance <i>S. E. Pryor and T.M. Murray</i>	BIM-Enabled Condition Assessment Tool for Building Maintenance Using Revit Architecture <i>M. Al-Gendy, H. Osman and M. Taha</i>	Influence of Concrete Surface Treatment on Chloride Induced Reinforcement Corrosion Rate <i>A. S. El-Dieb, A. F. B. Oan, M. M. Abdelwahab and S. H. Okba</i>	Load-Carrying Capacity of System Scaffold Structure Used in Construction <i>J.L. Peng, CL Pan, M.H. Shih and Y.B. Yang</i>	Mitigation of Environmental Impact with Ground Source Heat Pump System <i>M. Yamaguchi, K. N., Yoshito Horino and M. Katsuragi</i>
Seismic Performance of Vertically Mass Irregular Reinforced Concrete Structures in the UAE <i>S. Barakat and H. Alsaifi</i>	BIM Technology for Restoration Site Design <i>M. L. Trani, B. Bossi and M. Cassano</i>	Analysis of Chloride Diffusivity in Concrete Containing Red Mud <i>D. V. Ribeiro and M. R. Morelli</i>	Experimental Study on Buckling of the Vertical Frame of Scaffolds Subjected to Eccentric Load <i>H. Takahashi, K. Ohdo and S. Takanashi</i>	Study on Mine Wastes as Potential Resource for Brick Manufacturing in Western Australia <i>F. A Kuranchie, S.K. Shukla and D Habibi</i>
An Alternative Pushover Analysis Procedure to Estimate Seismic Displacement Demands for Irregular Bridges <i>CW Huang, HH Hung, HJ Liao and KK Jeng</i>	Building Information Modelling (BIM) with 4D Technology – A Structural Engineer’s Perspective <i>S. Kalavagunta</i>	A Critical Review on the Utilization of Fly Ash in Concrete Production <i>S. Barbhuiya</i>	Force Transfer Using Structural Adhesive Bonding between Timber and UHPFRC – A Push-Out Test to Choose the Adhesive <i>G. Youssef, L. Loulou, S. Chataigner, A. Flety, C. Aubagnac, S. Care and R. Le Roy</i>	Sustainable Low Cost Housing Construction for a Better World <i>I. Patnaikuni</i>
Earthquake Observation Record in the Building Using Three-Dimensional Seismic Base Isolation System <i>T. Tomizawa, O. Takahashi, J. Suhara, K. Okada, Y. Tsuyuki and T. Fujita</i>	Addressing the Need to Reform Construction Public Procurement in Ireland Through the Implementation of Building Information Modelling <i>B.Mcauley, A. Hore, R. West ,D. Kehily</i>	Thirteen Years of the Bologna Process – Lost Chances in Civil Engineering Education <i>U. Quapp and K. Holschemacher</i>	Structural Performance of Steel and Concrete Composite Columns Covered by Thin Steel Tube <i>Y. Kuratomi, J. Sakai and T. Tanaka</i>	Analyzing Time and Cost of Onshore Wind Turbine Construction Methods Using Discrete Event Simulation and Wind Speed Forecasting <i>H. Osman, D. Atef and M. Ibrahim</i>
Vulnerability and Cost Assessment of Seismically Strengthened RC Buildings <i>S. Elkholly and A. Mwafy</i>	Quantifying the Value of Construction Contractor Preconstruction Involvement <i>N. West and D. Gransberg</i>	Construction Educational Interdisciplinary Project-Work as an Antecedent for Improved Integration in BIM <i>A. Whyte</i>	Evaluation of Direct Tensile Behavior Characteristics of UHPC Using Both Hooked Long Fibers and Straight Short Fibers <i>K. T. Koh, G.S. Ryu, S. K. Ahn ,S. T. Kang</i>	An Evaluation of Post-Occupancy of Sustainable Housing <i>S Naoum, K. Buckley and D. Fong</i>
Seismic Performance Evaluation of Nuclear Piping System Using Shaking Table <i>J. H. Cheung, HS Choi, YD Seo ,IT Kim</i>	Identifying Critical Success Factors for Minimizing Design Stage Transaction Costs in PPP Projects <i>XH Jin, G Zhang and J Zuo</i>	Questionnaire Survey of Engineering Education in Ready-Mixed Concrete Plants <i>J.Hirayama, I.Yoshitake, M.Inoue, H. Park</i>	Flexure Behavior of Hybrid High Performance Concrete Construction <i>A. K. Azad and A. Hakeem</i>	Overview of Tall Buildings and their Sustainability Impact <i>A. Aminmansour</i>

LUNCH 12:30 – 13:30 (Foyer, Engineering Pavilion Building 215)



Technical Session II -- Thursday, 29 November 2012; Time: 13:30 – 15:30

Session Chair Aman Mwafy	Session Chair Andrew Whyte	Session Chair Chi-Ling Pan	Session Chair Khaled El-Sawy	Session Chair Vankudothu Bhikshma
ROOM A SEISMIC & STRUCTURES	ROOM B QUALITY SYSTEMS	ROOM C CONCRETE & STRUCTURES	ROOM D STRUCTURES & EXPERIMENTS	ROOM E CONCRETE MATERIALS.
Out-of-Plane Earthquake Load on Slender Precast Concrete Wall Panels Connected to Steel Frames <i>J. H. Cho</i>	A Guide for Selecting the Appropriate Procurement Method for the Project Based on Clients' Criteria <i>S. Naoum, M. M. Pour and D. Fong</i>	Effective Shear Strengthening Method for Flexurally Strengthened RC Beams <i>M. A. Rahman, M. Z. Jumaat, Md. Safiuddin and M. A. Salam</i>	Flexural Behavior of PVA-Fiber Reinforced Lightweight Concrete <i>K. Holschemacher</i>	Self-Consolidating Concrete <i>M-S Seniwongse</i>
Seismic Response of Steel Structures with Elastic Hinge Joint System Focussing on Fluctuating Axial Forces at Column Bases <i>M. Ikenaga, H. Muto, J. Takahashi and Y. Uematu</i>	Relationship-Based Procurement Methods Adopted in Infrastructure Development <i>D. Spear, X-H Jin and S Saha</i>	A Discussion on Mechanisms for Achieving High Ductility of Repair Materials Patched on Concrete Substrate <i>A. Satoh, K. Yamada and Y. Shinohara</i>	A Mechanical Model for Frame Structures with Column Splices <i>S. Duan, K. Jin, R. Wang, Y. Zhang and Z. Geng</i>	Quantifying the Whole Life Benefit of Preserving Concrete Pavements Using Silicon Reactive Lithium Densifier and Shotblasting – A Promising New Technology <i>D. D. Gransberg and D. M. Pittenger</i>
Numerical Analysis of the Load Bearing Capacities of R/C Wall Panel <i>T. Hara</i>	Proposed Statutory Management System for Middle East Countries (Iraq as an Example) <i>M. Najm</i>	Questionnaire Investigation of Surface Deterioration of Lining-Concrete in NATM Tunnel <i>I. Yoshitake, H. Komure, M. Kakehi, A. Hiraoka and Y. Inagawa</i>	Remaining Strength Evaluation Method of Corroded Steel Tube with In-Situ Measured Thickness <i>T. Uemura, K. Fujii, T. Kaita and R. Satake</i>	Asphalt Concrete Mixtures Properties by Using Basalt Aggregates <i>W. Witayakul, S. H. Wewong and W. Suanpaga</i>
Numerical Simulation of Mechanical Behavior of Steel-Encased Concrete Filled FRP Tubes Column Under Unidirectional Eccentric Compression <i>H. Zhang and P. Cao</i>	Application Effects of I-PGMIS for Urban Regeneration Projects <i>C-T Hyun, H-J Lee, Y-SYoon, J-H Kim and H-C Jung</i>	A Simplified Load-Slip Model for Composite CFRP-GFRP Laminates Bolted to Steel Plates <i>M. A. Alhadid, A. M. I. Sweedan and K. M. El-Sawy</i>	Application of Silane Impregnation in the Rehabilitation of Concrete Bridge Deteriorated by De-Icing Salts <i>A. Ogawa, Y. Kubo, Yoshiyuki M. and Y. Hashizume</i>	Behaviour of High Strength Concrete with Recycled Aggregate and Fly Ash <i>K. J. Rao, S. V. S. S. Malladi and K. Sridhar</i>
Application of Finite-Element Model Updating in Damage Detection of Offshore Jacket Platforms Using Particle Swarm Optimization with Noisy Modal Data <i>H. Malekzhehtab, A. Golafshani and H Nikraz</i>	A Spreadsheet Model for Time-Cost Trade-off Analysis and Project Control <i>E. Zaneldin and B. El-Ariss</i>	Application of High Performance Precast Steel Fiber Thin Plate to Strengthen Reinforced Concrete Beam <i>F. N. A. Abdul Aziz</i>	Performance of RC Beams Strengthened with Mechanically-Fastened FRP System Under Corrosion Environment <i>T. El Maaddawy, A. Nessabi and A. El Die</i>	A Study of the Osmotic Properties of Hardened Cementitious Materials With Waterproofing Materials <i>S. Lee, S. Jeon and M. Song</i>
Comparisons of Two and Three Dimensional Nonlinear Dynamic Analyses Results of a Roller Compacted Concrete Dam <i>B. Binici, Y. Arici, A. Aldemir and A Akman</i>	Defects Prediction Towards Efficiency Gains in Construction Projects <i>A. Almusharraf and A. Whyte</i>	Uncertain Creep Analysis of Concrete-Filled Steel Tubular Columns <i>Y-L Pi and M Bradford</i>	Inelastic Stability of Steel Liners with Local Imperfections <i>K. M. El-Sawy</i>	Utilization of Bagasse Ash as Fine Aggregate in Non-Autoclave Cellular Concrete <i>P. Onprom, S. Inthata and R. Cheerarot</i>
Second Order Analysis for Eurocode 3 Implementation at the National Level in Poland <i>M. Gizejowski and A. Barszcz</i>	Towards Improved Infrastructure Design & Construction in Rough Terrain & Inclement Environments <i>S. Malik and A. Whyte</i>	Automatization of Design Procedures for Prestressed Concrete Members According to the Brazilian and French Code Specifications <i>P. M. Lazzari, A.C Filho, F De P.S. L Gastal</i>	Tensile Strength of Corroded Plate Rehabilitated by Steel Cover Plates with Adhesive Under Cyclic Loading <i>Y. Uemura, K. Fujii, M. Fukuda and H. Horii</i>	Laboratory Evaluation of Polymer Modified Mortar Incorporating Waste Latex Paint Effluent <i>M. Ismail, M. A. R. Bhutta and A.H. Noruzman</i>
Indicative Seismic Risk GIS-Based Maps for the City of Sharjah, UAE <i>S. Barakat, A. Shanableh and K. Abu-Dagga</i>		Determination of the Ultimate Stress in Flexural Elements with Unbonded Tendons <i>P. M. Lazzari, A C Filho, and F De P. S L Gastal</i>	A Generation Model of Artificial Surface Unevenness Imitating Actual Corrosion and its Application to Remaining Strength Analysis of Corroded Member <i>T. Inoue, K. Fujii and Y. Yamashita</i>	Mechanical Properties of Oil Palm Shell Foamed Concrete – A Micro-Structural approach Using SEM <i>U. J. Alengaram and B. A. AL Muhit</i>
BREAK 15:30 - 16:00 (Foyer, Engineering Pavilion Building 215)				



Technical Session III -- Thursday, 29 November 2012; Time: 16:00 – 18:00

Session Chair Faiz Uddin Ahmed Shaikh	Session Chair Essam Zaneldin	Session Chair Kodukula Jagannadha Rao	Session Chair Ranjan Sarukkalige	Session Chair Tawatchai Tanchaisawat
ROOM A SEISMIC & STRUCTURES	ROOM B QUALITY SYSTEMS	ROOM C CONCRETE STRUCTURES	ROOM D STRUCTURES & WATER	ROOM E CONCRETE & GEOPOLYMER
Parametric Finite Element Study of Longitudinal Plate-to-CHS X-Connections Under In-Plane Bending <i>D-D Lee, K-J Shin and D-B Kim</i>	The Factors that Affect the Cost Estimation Activities in the Tender Preparation Process in the Malaysian Construction Industry <i>N. Ahmad and N. Y. O. Schlegel</i>	An Innovative Construction Method for Precast Arch Bridge <i>G.E. Tan, T.B Ong and K.K. Choong</i>	Lessons Learned from Execution of Oilsands' SAGD Projects <i>A. Halari and G Jergeas</i>	Evaluation of Chloride Penetration in Concrete Containing Ground Rice Husk Ash <i>S. Inthata and R. Cheerarot</i>
Hysteresis Research of Gangue Concrete-Filled Circular Steel Tubular Pure-Bending Members <i>G. Li, B. Ji and F. Chen</i>	Analysing the Potential Application of the earned Value Management (EVM) in the Spanish Construction Industry – An Initial Review of the Dataset <i>M. Sutrisna, E. Pellicer, M. Picornell and C. Torres-Mach I</i>	Shotcrete Prefabricated Ferrocement Panels by Using WA Mixture Materials <i>N. Abushawashi, V. Vimonsatit and G. Hopkins</i>	Combined Wavelet-Neural Network Model for Intermittent Stream Flow Prediction <i>H. Badrzadeh, R. Sarukkalige and A. W. Jayawardena</i>	Behaviour of High Strength Concrete with Recycled Aggregate and Fly Ash <i>K. J. Rao, S. V. S. S. Malladi and K. Sridhar</i>
Elasto-Plastic Analysis for Finite Deformation Using Natural Strain (Shape of Yield Surface Obtained after Pre-Deformation of Uni-Axial Tension) <i>Y. Kato, A. Kazama and Y. Otsuka</i>	Factors Influencing Delay in Construction/Civil Engineering Projects in the Persian Gulf Countries <i>M. Alavi Toussi and A. Whyte</i>	Prestressed Steel – Concrete Composite Bridge <i>P.K. Singh, V. Khatri and R. K. Tyagi</i>	Sensitivity Analysis of Catchment Characteristics in Urban Stormwater Management Modeling <i>A.P. Basnayaka and P.R. Sarukkalige</i>	Carbonation of High Strength Concrete Containing Class F Fly Ash <i>P. Nath and P. Sarker</i>
A Study on the Change of Cement Hydrates and Residual Strength of Concrete due to Fire Exposure <i>S. Kang, H. Kang and M. Song</i>	Fuzzy Analytic Network Process Approach to Risk Assessment of Public-Private Partnership (PPP) Highway Projects in Developing Countries <i>A. R. Valipour, N. Yahaya, N. Md Noor and S. Sabetian Fard</i>	Experimental Research on Regional Confined Concrete Columns Under Super-High Axial Compression Ratios <i>X. Cao, L. Yang, L. Tao and R. Qun</i>	Correlation of Soil Permeability and Particle Size Distribution with Respect to Urban Stormwater Management <i>D. Kannangara and P.R. Sarukkalige</i>	Determination on Strength Properties of Geopolymer Concrete <i>V. Bhikshma, T. N. Kumar and K. Swaraj</i>
Thermal Modelling and Full-Scale Fire Testing of a Steel Door-Leaf Opening into a Standard Fire <i>A. Nassif</i>	Genetic Algorithm-Based Multi-Objective Model for Scheduling of Linear Construction Projects Under Extreme Weather Conditions <i>A.B. Senouci and S. A. Mubarak</i>	Examination of Performance Limits for Shear Critical Reinforced Concrete Columns <i>K. Erguner, R. Ozcelik and B. Bimici</i>	Drainage Design for a Freeway to Counter Water Infiltration Effects <i>H. Asadi, A. Asadi, B. Ghadimi and H. Nikraz</i>	Extraction of Alkaline Solution from Cocoa Pod Husk for Synthesis of Geopolymer <i>M. Bin Ismail and Y.O. Taliat</i>
Structural Damage Detection Using Finite Element Model Updating Using Particle Swarm Optimization with Noisy Modal Data <i>H. Malekzhehtab, A.A. Golafshani and H. Nikraz</i>	Role of Simulation in Construction Processes – Harmony in Capturing Resources <i>M. Arashpour, R. Wakefield and N. Blismas</i>	Experimental Study on Bond Performance of RC Beams Subjected to ASR Expansion <i>M. Mizuta, I Gusti M.S. Sattwa, K. Kuzume and T. Kojima</i>	Geotechnical Investigation of the Relationship Between Physical Properties and Saturated Hydraulic Conductivity by Using the Empirical Formulas <i>D Kannangara, R. Sarukkalige and M. Botte</i>	Sulfate and Sulfuric Resistance of Fly Ash Geopolymer <i>T. Chareerat, K. Pimraksa, S. Hatanaka and P. Chindaprasirt</i>
Measurement and Modeling of Traffic-Induced Ground Vibrations <i>S Lubej, P. Jelusi, A Ivanie, M. Lep and S. Toplak</i>	Total Quality Management and Actual Workmanship Quality of Major Indonesian Contractors <i>E. Ellizar, F Susilowati and P Marzuki</i>	Experimental Verification of Automated Design for the Reinforcement in Deep Beams with Openings <i>S. M. S. Islam and A. Khennane</i>	The Hydrodynamics of Swan Estuary – Using a Numerical Approaches <i>M. Hajiani and P. R. Sarukkalige</i>	Mechanical Characteristics of Geopolymer Concrete Using Bottom Ash and Fly Ash <i>G. S. Ryu, K. T. Koh, S. H. Kim, S. T. Kang and J. H. Lee</i>

END OF DAY 2



Technical Session IV -- Friday, 30 November 2012; Time: 08:30 – 10:00

Session Chair Amr El-Dieb	Session Chair Takashi Hara	Session Chair SM Shahidul Islam	Session Chair Ulrike Quapp	Session Chair Ram Prasad Sharma
ROOM A HEALTH & SAFETY	ROOM B STRUCTURES & FATIGUE	ROOM C STEEL STRUCTURES	ROOM D BUILDING STRUCTURES	ROOM E GEOTECH. & FOUNDATIONS
The Evolution of Legislation on Health and Safety on Construction Site in Italy <i>A. Gottfried, G. M. Di Giuda, V. Villa and P. Piantanida</i>	Development of a Curved Bridge-Vehicle Interaction Model and Human Perception to Traffic-Induced Vibration <i>Md. R. Awall, T. Hayashikawa, T. Matsumoto and X. He</i>	Development of a New Shear Connector Using Burring Steel Plate <i>T. Tanaka and J. Sakai</i>	Modelling Scaffold Support System for Linear Analysis <i>B. El-Ariss and E. Zaneldin</i>	Performance of Lightweight Geomaterials Reinforced with Geogrid for Bridge Approach Utilization on Soft Ground Area <i>T. Tanchaisawat, D. T. Bergado and M. Kaewmorachareon</i>
Analysis of Accidents in the Construction Industry in Italy <i>A. Gottfried, G. M. Di Giuda, V. Villa and P. Piantanida</i>	Lateral Loading Test on Existing Three-Story Building <i>H. Nakahara</i>	Capacity of Electrical Transmission Towers Under Downburst Loading <i>A. El Damatty and H. Aboshoha</i>	Deconstruction and Reuse of Building Material, with Specific Reference to Historic Structures <i>A. Whyte and R. Laing</i>	An Insight into the Load-Bearing Capacity of Geosynthetic-Reinforced Foundations <i>Md. M Hossain and S. K. Shukla</i>
Study on Safety Assembling and Dismantling Method for System Scaffolds by Using Safety Harness <i>K. Ohdo, Y. Hino and H. Takahashi</i>	Development Study on Device to Reduce Seismic Response by Using Soil-Bags Assembles <i>H. Yamamoto and H. Cheng</i>	Actual Steel Moment Frame Behavior and Computer Models <i>MS. Seniwigse</i>	Design Optimization of Industrial Portal Frame with Overhead Cranes <i>M. Shokouhian and R Sadeghi</i>	An Operational Solution to Overcome the Very Poor Subgrade Soil Condition of the Azadegan Freeway <i>H. Asadi, B. Ghadimi and H. Nikraz</i>
The Application of Control Theory and Complex Systems Theory to Construction Safety – A Preliminary Study <i>B.H. Guo and T.W. Yiu</i>	Fatigue Strength of Misaligned Butt Welded Joints in the Bottom Flange <i>M. Sakano, D. Yamaoka and T. Mizuno</i>	A Study on the Failure Behavior of Damaged TP 316 Stainless Pipe <i>J.H. Cheung, S.D. Kim, M.S. Gae, S.J. Choi and I.T.Kim</i>	Joint Model for Connection with Steel Tube Column and Pile Head <i>A. Takeda and H. Yamamoto</i>	The Effects of Compliance and Grain Size on the Outcome of Soil Pressure Measurement in Granular Soils <i>M. L. Talesnick</i>
Developing Incident Causation Constructs for Managing Safety in Construction <i>Y. Al-Shehri, F. Edum-Fotwe and A. Price</i>	Wind Force Coefficients for Designing Porous Free-Standing Canopy Roofs <i>Y.Uematsu, H. Sakurai, Y. Miyamoto and E. Gavanski</i>	Experimental and Computational Studies on Steel Base Plates on Levelling Nuts <i>A. Wahab Kayani and S. W. Tabsh</i>	Estimations and Quality Assessments of Strain Parameters of a Deformation Field <i>J. Guo, JY. Han, HP. Tserng and CT. Lin</i>	Assessment of Geotechnical Properties of British Coal Measures Rocks for Construction <i>H. Nahazanan, A. Asadi and S. Clarke</i>
The Knowledge of Previous Work in Identifying Potential Health and Safety Risks in the Restoration Sites <i>R.G. Lagana</i>	An Assessment of Below Water Table Retaining Wall Underpass Built with Heavy-Weight Concrete as Counterweight <i>A.K.Azad and S. Aiban</i>	Application of Proposed Stiffness Reduction Index on Cracked Steel Beam <i>M. M. Fayyadh and H Abdul Razak</i>	Proposal of Crack Detection Method for RC Beam by Digital Image Correlation Method <i>Y. Tsukuda, S. Miyazato, M. Toshima and M. Uneda</i>	Effect of Stage Construction on Numerical Modeling of Layered Flexible Pavement System <i>B.Ghadimi, H. Asadi and H. Nikraz</i>
BREAK 10:00 – 10:30 (Foyer, Engineering Pavilion)				



Technical Session V -- Friday, 30 November 2012; Time: 10:30 – 11:30

Session Chair Mohan Kumaraswamy	Session Chair Saleh Mubarak	Session Chair Indubhushan Patnaikuni	Session Chair Marco Trani	Session Chair Watcharin Witayakul
ROOM A LAW & ORGANISATION	ROOM B SUSTAINABILITY	ROOM C STEEL STRUCTURES	ROOM D PROJECTS & PRODUCTIVITY	ROOM E FOUNDATIONS & PAVEMENTS
Understanding the Organisational Behaviours in Alliances <i>L.Y. She, H. Doloi and A. Mills</i>	Strategies for the Contemporary Home <i>M. Di Sivo and C. Cellucci</i>	Effects of the Plate Slenderness Ratio on Built-Up Back-to-Back Channels Stub Columns <i>T. C. H. Ting and H. H. Lau</i>	Using Nose Tip Temperature to Monitor Crew's Performance <i>WT. Hsiao, HT. Wu, TM. Cheng and HN. Chang</i>	Impacts on Dynamic Response of the Pavement Structure Caused by Parameters Variation <i>JQ. Bu and DM. Zhang</i>
Trust in Construction Contracting – An Exploratory Study in Shanghai <i>P. T. Chow, S. O. Cheung and C. Ling</i>	Preparing Thai Architectural Programs for the 2015 ASEAN Community <i>P. Eomthurapote</i>	Moment Optimization of Portal Frame Using Structural Members with Non-Uniform Section <i>M. Leekitwattana</i>	Towards Assessing Productivity in Off-Site Building Methods for Engineering and Construction Projects <i>A. Faisal and A. Whyte</i>	Estimation of Earthquake - Induced Ground Settlement <i>R. P. Sharma and A. Kumar</i>
The Power of Trust in Construction Contracting <i>P. T. Chow, S. O. Cheung, C. H. Wong and M. Y. Ou</i>	Link Between Knowledge Management and Human Resource Management in Sustaining Intellectual Capital <i>N. Alshabri, M. Khalfan and T. Maqsood</i>	Cold Formed Steel in Construction – Review of Research, Challenges and Opportunities <i>S. Kalavagunta, S. Naganathan and K N Bin Mustapha</i>	A Synthesis of Traditional Project Engineering Management in Construction Projects with Agile Approaches Towards Efficiency Gains <i>A. Abdulaziz and A. Whyte</i>	Effect of Damping on Response of Pile Group <i>K. B. Ladhane, V. A. Sawant and S. K. Shukla</i>
Aspects of Building Contract Law and Professional Liability Under German Law <i>U. Quapp and K. Holschemacher</i>	Embedding Knowledge Management within Organizational Learning & Continuous Improvement Cycles <i>P. Watson and G. Workman</i>	Assessment of Local Buckling Capacity of Steel Beams Bonded with GFRP Plates <i>M. A. A. Siddique and A. A. El Damatty</i>	Workload and Work Performance – Analysis of Activities and Environmental Stress in Masonry and Concreting Work <i>D. Schlagbauer and D. Heck</i>	Scattering of Rayleigh Waves by a Trapezoidal Canyon <i>M. Haeri, B. Ghadimi and H. Nikraz</i>
BREAK to Transfer to Plenary Closing Session 213:104				



Closing Session -- Friday, 30 November 2012; Time: 11:30 – 12:30

CLOSING SESSION
Room 213:104

11:30 – 12:30

Keynote Presentation
Mr Harry Backes, State Director Western Australia, Cement Concrete & Aggregates Australia

Closing Speech: Curtin University
Dr Ian Chandler, Conference Chair, Department of Civil Engineering, Curtin University

Closing Speech: ISEC
Prof Amarjit Singh, President, ISEC Society

LUNCH 12:30 – 13:00 (Foyer, Engineering Pavilion Building 215)



Technical Tour Session -- Friday, 30 November 2012; Time: 13:15 – Varies

TECHNICAL TOURS

13:15 – Varies

Technical Tour 1: Perth City Link Project
Bus leaves at 13:15; approx. return at 16:00

Technical Tour 2: Perth Heritage Bridge Tour
Bus leaves at 13:15; approx. return 16:30

Technical Tour 3: Fiona Stanley Hospital
Bus leaves at 13:15; approx. return 16:00

**Bus Stand is in front of
Building 200A**

Note:
Drop off point when return will be at Erica Underwood House and/or Perth Ambassador Hotel



Conference Banquet -- Friday, 30 November 2012; Time: 18:00 – 23:30

DINNER BANQUET

18:30 – 19:00	Bus trip from Erica Underwood House or Perth Ambassador Hotel	Metro Hotel, South Perth
19:00 – 22:30	Dinner Banquet function	

Note:

To Metro Hotel: Bus leaves at 18:30 from Perth Ambassador Hotel, 18:40 from Erica Underwood House.

From Metro Hotel: Bus leaves at 22:30; expected to arrive back at Erica Underwood House or Perth Ambassador Hotel at 23:00.

Bus Schedule:

28th Nov, 7.15pm Curtin to Erica Underwood House

28th Nov, 7.15pm Curtin to Perth Ambassador Hotel

29th Nov, 7.30am Perth Ambassador Hotel to Curtin

29th Nov, 6.00pm Curtin to Perth Ambassador Hotel

30th Nov, 8.00am Perth Ambassador Hotel to Curtin

POST-CONFERENCE CULTURAL TOURS – Registered Separately

Dec 1, 2012

Tour Code PCCT1P, Departure time 1:00 pm, return 5:00 pm
[Perth, Fremantle & Kings Park](#)

Pickup and dropoff at Perth Ambassador Hotel

Dec 2, 2012

Tour Code PCCT2A, Departure time 9:00 am, return 1:00 pm
[Swan Valley, Caversham and Tumblegum Farm](#)

Pickup and drop-off at Perth Ambassador Hotel

ACCOMPANYING PERSON TOUR PROGRAM

Nov 29, 2012

Half-day tour:

Tour Code AP2P, Departure time 1:00 pm, return 5:00 pm

Hillary's Marina, Beach & Birds

- Meet and be greeted by Birds at Neil Hawkins Park
- Shopping Spree at Hillarys Marina and local beach
- Optional AQWA visit

Includes: Guided tour in air-conditioned coach, all entrance fees, morning tea & coffee, and return to Perth

Nov 30, 2012

Half-day tour:

Tour Code AP3A, Departure time 9:00 am, return 12:30 pm

Dolphin Watch Tour

- Travel South on the Kwinana freeway to board a boat to watch playful wild dolphins.
- Visit the local estuary, viewing local picturesque dwellings before returning back to Perth.

Includes: Guided tour in air-conditioned coach, all entrance fees, morning tea & coffee and return to Perth