

ASEA-SEC-3 CONFERENCE PROGRAM

Integrated Solutions for Infrastructure Development

The Third Australasia and South-East Asia Structural Engineering and Construction Conference
31 October - 4 November, 2016
Pullman Hotel, Kuching Sarawak

Monday, 31 October 2016

1400 – 1800	Registration <i>(The registration desk will be open during conference hours)</i>	Level 2, Pullman Hotel
1800 – 2100	Welcome Reception	Colosseum, Level 2, Pullman hotel

Tuesday, 1 November 2016

Opening Session – Colosseum 2, Level 2, Pullman Hotel

0730 – 1700	Registration <i>(The registration desk will be open during conference hours)</i>	
0800 – 0805	Opening Session	Colosseum 2, Level 2
0805 – 0815	Welcoming Address by Ir. Professor Lau Hieng Ho Conference Chair, Faculty of Engineering & Science, Curtin University Sarawak Malaysia	
0815 – 0825	Welcoming Remarks by Professor Amarjit Singh President, ISEC Society	
0825 – 0845	Conference Opening Address by YB Tan Sri Datuk Amar Dr James Jemut Anak Masing Deputy Chief Minister, Minister of Infrastructure Development and Transportation Sarawak	
0845 – 0900	Opening Ceremony Traditional Cultural Performance	
0900 – 0930	Coffee/Tea Break & Exhibitor Showcase	
0930 – 0935	Introduction to Keynote Speaker by Professor Ng Chee Khoo, Conference Co-Chair, Faculty of Engineering, University Malaysia Sarawak (UNIMAS)	
0935 – 1030	Keynote Session Is Project Based Learning the Way to Go? Dr. Indubhushan Patnaikuni	

Time\Room	Colosseum 2 Level 2	Petra 1 Level 2	Petra 2 Level 2
1030-1230	Session A1 Behavior of Concrete Materials & Structures	Session A2 Project Execution & Productivity & Innovative Structures & Materials	Session A3 Foundation Engineering & Construction
1230-1330	Lunch break		
1330-1530	Session B1 Analysis of Structures	Session B2 Quality, Cost Control & Sustainability	Session B3 Bridge & Structural Health Monitoring
1530-1600	Coffee/Tea break		
1600-1800	Session C1 Dynamics of Structures	Session C2 Construction Law & Technology	Session C3 Corrosion Effects on Structures



Technical Session I -- Tuesday, 1 November 2016; Time: 1030 – 1230

Session A1 Chair: Co-Chair:	Session A2 Chair: Co-Chair:	Session A3 Chair: Co-Chair:
Colosseum 2, Level 2 Behavior of Concrete Materials & Structures	Petra 1, Level 2 Project Execution & Productivity	Petra 2, Level 2 Foundation Engineering & Construction
Standard section design of ICH RC tower supporting 5.0MW wind turbine <i>Sungwon Kim, Taek Hee Han and Hyemin Hong</i>	Performance of request for information (RFI) management of a four-building project <i>Muhamad Abduh and Farrel Adam</i>	The stability of slope using cell-based smoothed finite element method and second order cone programming <i>Hai Le Nguyen, Hai Than Nguyen and Thien Vo Minh</i>
Standard section design of FRP DSCT tower supporting 3MW wind turbine <i>Hyemin Hong, Sungwon Kim and Taek Hee Han</i>	Managing multicultural virtual engineering teams <i>Rania Busada and Samer Ezeldin</i>	Applicability of a new surface preparation method for steel structure using Laser <i>Hiroshi Ogami, Katashi Fujii, Yukio Manabe, Kohei Ota and Asuo Yonekura</i>
A study on the factors affecting electro-migration characteristic of chloride ions in concrete <i>Isao Ujike and Keiyu Kawaai</i>	Investigation into WH&S issues within the residential construction industries migrant workforce <i>Swapan Saha and Andrew Mantoufeh</i>	Pull-out properties of gypsum board anchors <i>Yoshinori Kitsutaka and Fumiya Ikedo</i>
	Petra 1, Level 2 Innovative Structures & Materials	
Optimizing the mix design of clay based geopolymer concrete <i>Muhammad Mukhlesur Rahman, David W. Law and Indubushan Patnaikuni</i>	Self-compacting concrete using agro-industrial wastes; Relative humidity effect and optimum mixing method <i>Brabha Nagaratnam, Ahmed Faheem, Muhammad Ekhlasar Rahman, Abdul Karim Mirasa, Mohammad Abdul Mannan and Md Saiful Islam</i>	Effect of surface preparation grade on repair by means of cover plates and adhesive <i>Ryuichi Yokota, Katashi Fujii, Hisakazu Horii and Yuya Hidekuma</i>
	Submerged Concrete Caisson Breakwater Construction <i>Alvin Magallanes, Ben Sullivan, Andrew Moores and Amarjit Singh</i>	Shear strength of perforated plate girders with inclined Stiffeners <i>M. R. Azmi, M. Y. M. Yatim and W. H. Wan Badaruzzaman</i>
Lunch break:	1230 – 1330	Pullman hotel, Kuching Sarawak



Technical Session II -- Tuesday, 1 November 2016; Time: 1330 – 1530

Session B1 Chair: Co-Chair:	Session B2 Chair: Co-Chair:	Session B3 Chair: Co-Chair:
Colosseum 2, Level 2 Analysis of Structures	Petra 1, Level 2 Quality , Cost Control & Sustainability	Petra 2, Level 2 Bridge & Structural Health Monitoring
An Application of Hyperplasticity to Determine the Behavior of A Plane Stress Cantilever Beam <i>Hai Than Nguyen and Lam Nguyen Sy</i>	An Entropy-Based study on the effectiveness of prefabrication in achieving sustainable construction <i>Peter S. P. Wong, Luke Edmonson and Michael Phillip Kanellopoulos</i>	Diagnosis of Bridge Bearings Based on Field Measurements <i>Naho Shibasaki, Mariko Ikeda and Masahiro Sakano</i>
Numerical Analysis of Axially Loaded Cold-Formed Steel Built-up Box Section <i>T.C.H. Ting, H.H. Lau and M.S. Joo</i>	Causes of Variation Orders for Mega Construction Projects <i>Samer Ezeldin and Amr Khaled El-Sadek</i>	The Benefit of the New Super U-Beam Used For Section 4 of a West Coast Expressway <i>Ong Jiundar and Lokman Hassan</i>
Shape of Yield Surface Estimated By Using Natural Strain Under Pre-Deformation of Shear After Uniaxial Tension <i>Yasuyuki Kato</i>	Infrastructure needs in sub Saharan Africa with particular reference to South Sudan <i>Ayman Y Nassif, Ann Stewart, Millie T Mutepe and Petros Christou</i>	Scissoring Origami Inspired Deployable Bridge for a Disaster <i>Kotaro Adachi, Ichiro Ario, Yuki Chikahiro and Shuichi Ono</i>
A Study on the Pushover Test and Numerical Analysis of GFRP Frames <i>Yeou-Fong Li, Bo-Shiang Wang and Jian-Yu Lai</i>		Remaining strength evaluation of plate girders with corrosion near supports <i>Naoyuki Asao, Katashi Fujii, Hiroaki Fukuda and Ryuichi Yokota</i>
Coffee/Tea break: 1530 – 1600		Pullman hotel, Kuching, Sarawak



Technical Session III -- Tuesday, 1 November 2016 Time: 1600 – 1800

Session C1 Chair: Co-Chair:	Session C2 Chair: Co-Chair:	Session C3 Chair: Co-Chair:
Colosseum 2, Level 2 Dynamics of Structures	Petra 1, Level 2 Construction Law & Technology	Petra 2, Level 2 Corrosion Effects on Structures
Influence of baseboard height on resistance to wind force of scaffolds at windward side of buildings <i>Hiroki Takahashi, Mizuki Aoki, Katsutoshi Ohdo and Kazuo Ohgaki</i>	The Development of Anatomy of Construction Dispute <i>Felix Hidayat and Biemo W. Soemardi</i>	Development of embedded mini-sensor for diagnosis of corrosion of steel reinforcement in concrete nondestructively <i>Mohamed A. Ismail, Han-Seung Lee and Mohd W. Hussin</i>
Seismic Design Verification of Steel Pre-Engineered Buildings <i>Satish Kumar S Rajaram and Nibedita Sahoo</i>	Will Tradesman Collective Wage Agreement be exempted from the Hong Kong Competition Ordinance? <i>Sai On Cheung</i>	An investigation of corrosion environment of a bridge constructed in mountainous area <i>Kazuto Maruyama and Toshihiko Aso</i>
Base Isolation in Seismic Retrofitting of R/C Buildings <i>Alberto Dusi, Marco Mezzi and Tan Teng Or</i>	A Concentration Study of the Private New Residential Units Market <i>Sai On Cheung and Yuhan Niu</i>	Remaining Life and Corrosion Limit of Corroded Truss Bridge Focusing on the Ultimate Strength <i>Hiroaki Fukuda, Naoyuki Asao and Katashi Fujii</i>
Dynamic Analysis of Offshore Piles Embedded In Elastoplastic Soft Clay <i>Anis Mohamad Ali, Mohamad J. K. Essa and Abdulameer Qasim Hassan</i>	Building the Education Revolution (BER) Program: Governing the Implementation of Project Policies <i>Duro Kolar, Derek H. T. Walker and Peter S. P. Wong</i>	The influence of temperature and humidity on rust growth on weathering steel <i>Ryoya Nagata, Shusaku Tachibana and Toshihiko Aso</i>
	Factors Affecting the Full Implementation of Building Information Modeling as a Construction Management Tool <i>Swapan Saha and Scott Jessup</i>	
	A Decision Support System for Methods of Measurement in Construction Projects <i>Abdelrahman Magdy and Samer Ezeldin</i>	



Wednesday, 2 November 2016

1300 – 1700	Technical Tour Program Technical Tour: Batang Samarahan Bridge	Van parks in front of hotel
1800 – 2100	Dinner Banquet	Colosseum 2, Level 2



Thursday, 3 November 2016

0830 – 1700	Cultural Tour 1 (CT1): Sarawak Cultural Village & Semenggoh Orangutan Wildlife Rehabilitation Centre	
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Friday, 4 November 2016

0800 – 1300	Cultural Tour 2(CT2a): Fairy Caves & Wind Caves	
1630 – 1900	Cultural Tour 2(CT2b): Sarawak River Cruise	