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428th OMICS International Conference

Scientific Program

World Congress and Exhibition on
CONSTRUCTION & STEEL STRUCTURE

Dates : November 16-18, 2015

Venue : Crowne Plaza, Dubai, UAE



EXHIBITOR

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Scientific Program

Day 1 November 16, 2015

09:00-09:30 Registrations

Al-Dhiyafah 1

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09:30-10:00 Opening Ceremony

Keynote Forum	
10:00-10:30	**Rethinking the Evaluation of the Robustness of Steel Structures** **Robert Driver,** University of Alberta, Canada
Group Photo @ 10:30-10:35	
Coffee Break 10:35-10:50 @ Foyer	
10:50-11:20	**Next generation steel and composite infrastructure** **Brian Uy,** The University of New South Wales, Australia
11:20-11:50	**Ascertaining Key Risks in the Construction Projects from Stakeholder and Life Cycle Perspectives** **M Manikandan,** Gulf Consult, Kuwait
Track 1: Construction Engineering Track 2: Structures Track 5: Civil Engineering	
Session chair: Brian Uy, The University of New South Wales, Australia **Session co-chair: AbdulQader S Al-Najmi,** Jordan University School of Engineering, Jordan	
Session Introduction 11:50-12:00	
12:00-12:20	**Estimating Seismic Demands for Performance-Based Engineering of Steel Buildings**
	Juan C Reyes, Universidad de los Andes, Colombia
12:20-12:40	**Towards the Design of Super Columns**
	AbdulQader S Al-Najmi, Jordan University School of Engineering, Jordan
12:40-13:00	**CFRP Strengthening and Rehabilitation of Corroded Steel Pipelines under Direct Indentation**
	Mohamed Elchalakani, Higher Colleges of Technology, UAE
Lunch Break @ Al-Tannour 13:00-13:40	
13:40-14:00	**Compressive Strength of Concrete-filled thin steel stubs: Theoretical and experimental Study**
	Jahid Zeghiche, Al-Baha University, Saudi Arabia
14:00-14:20	**Eco-Con The environmental impact evaluation and testing of sustainable inorganic binders: A green alternative to ordinary Portland cement**
	Beste Cubukcuoglu, Antalya International University, Turkey
14:20-14:40	**Buckling Capacity of Pretwisted Steel Columns; Experiments and Finite Element Study**
	Farid Abed, American University of Sharjah, UAE
14:40-15:00	**Further Tests on Thin Steel and Composite Fabricated Stubs**
	Jahid Zeghiche, Al-Baha University, Saudi Arabia

15:00-15:20	**Buckling load and effective length of web tapered built-up columns in pre-engineered steel buildings**
	Ramesh Meghrajani, Visvesvaraya National Institute of Technology, India
15:20-15:40	**Structural Steel Connection Design: between the Structural Consultant and the Steel Fabricator**
	Magdi A Khalifa, Abu Dhabi, UAE
Panel Discussion @ 15:40-16:00	
Coffee Break 16:00-16:20 @ Foyer	

Day 2 November 17, 2015	
Al-Dhiyafah 1	
Keynote Forum	
10:00-10:30	**Building Resilience in Construction Site Operations: Shifting from Protective Safety to Productive Safety** **Sherif Mohamed,** Griffith University Queensland, Australia
10:30-11:00	**Stress Concentration due to Shear lag in Box Girder** **Eiki Yamaguchi,** Kyushu Institute of Technology, Japan
Coffee Break 11:00-11:10 @ Foyer	
Track 3: Steel Construction Track 7: Environmental Engineering Track 9: Design and Behavior of Steel Structures and Members Track 10: Construction Industry	
Session chair: Konstantinos Daniel Tsavdaridis, University of Leeds, UK **Session co-chair: M Manikandan,** Gulf Consult, Kuwait	
Session Introduction 11:10-11:15	
11:15-11:35	**Decision Support for Project Prioritization in A/E/C Industry**
	Tarek Mahfouz, Ball State University, USA
11:35-11:55	**University Leadership for Advancing the Steel Construction Industry—Regional Partnerships for Global Impact**
	Robert G Driver, University of Alberta, Canada
11:55-12:15	**Behaviors of flag-shaped dampers using combination of magnetic friction and rubber springs**
	Eunsoo Choi, Hongik University, Korea
12:15-12:35	**Life extension, upgrade and repair of welded structures – Towards the use of High Strength Steels**
	Zuheir Barsoum, Khalifa University, UAE
12:35-12:55	**Design and Behavior of Steel Structures and Members from Constructability Perspectives**
	M Manikandan, Gulf Consult, Kuwait
Lunch Break @ Al-Tannour 12:55-13:40	
13:40-15:10	Workshop on **Advanced Design of Welded Structures-Introduction to new design methods and IIW recommendations** by: **Zuheir Barsoum,** Khalifa University, UAE
15:10-15:30	**Evaluation of Connection Systems in Modular Constructions**
	Merve Sagiroglu, Erzurum Technical University, Turkey
15:30-15:50	**Comparison of Steel and Composite Analysis of a Multi-storey Building**
	Cigdem Avci-Karatas, Yalova University, Turkey

15:50-16:10	**Advances on shear strength and behavior of bridge girders with steel corrugated webs**
	Mostafa Fahmi Hassanein, Tanta University, Egypt
	Coffee Break 16:10-16:25 @ Foyer
	Poster Presentations @ 16:25-17:00
CSS-01	**Recycling of waste refractory bricks for the production of dense refractory**
	Bahia Rabehi, University M'Hamed Bougara of Boumerdes, Algeria
CSS-02	**A new approach in optimal semi-active control of structures**
	Reza Karami Mohammadi, K N Toosi University of Technology, Iran
	Speaker Sessions
17:00-17:20	**Cold Bending Steel Beams: a State-of The-Art Engineering Solution that Meets Industry Challenges**
	Antoine N Gergess, University of Balamand, Lebanon
17:20-17:40	**Experimental Investigation of Moment-Rotation Curves of End-Plate Connection using Sinusoidal Beam**
	Merve Sagiroglu, Erzurum Technical University, Turkey
17:40-18:00	**Performance of ordinary and self compacting concrete using recycled concrete aggregates**
	Said Kenai, University of Blida, Algeria
	Panel Discussion

Day 3 November 18, 2015	
Al-Dhiyafah 1	
Track 4: Digital Structural Designs Track 6: Safety Management in Construction Track 7: Earthquake resistance engineering structure Track 11: Fire Safety Engineering and Design of Structures	
Session chair: Sherif Mohamed, Griffith University Queensland, Australia	
	Session Introduction 10:00-10:05
10:05-10:25	**Seismic resistant design of connections with the use of perforated beams**
	Konstantinos Daniel Tsavdaridis, University of Leeds, UK
10:25-10:45	**Rethinking the Application of Engineering: Structural Analysis of Economic Impact Risk Propagation in Infra_Structures**
	Albert Owusu, Bana Consulting Engineers, Australia
10:45-11:05	**Role of Composite Joints on the Performance of Steel-Framed Buildings in Fire**
	Khalifa S Al-Jabri, Sultan Qaboos University, Oman
	Coffee Break 11:05-11:15 @ Foyer
11:15-11:35	**Finite Element Modeling of the Seismic Behavior and Fracture of Concentric Braces**
	Madhar Haddad, United Arab Emirates University , UAE
11:35-11:55	**Lateral Stability of Damaged Open Thin-walled Beams using Lyapunov's Second method**
	Peter Jiki, University of Agriculture, Nigeria
11:55-12:15	**Local Failure Behaviour of the Steel-Concrete Composite Beam with Web Openings in Various Shapes under Axial Tension and Uniaxial Negative Bending**
	Mahesan Bavan, National University of Malaysia, Malaysia

12:15-12:35	**Performance Based Design of Cold Formed Steel Structures**
	Kamal M Bajoria, Indian Institute of Technology Bombay, India
12:35-12:55	**Numerical investigation of composite materials and structures**
	Lmokhtar Ikharrazne, National School of Applied Sciences, Morocco
12:55-13:15	**Steel versus steel-reinforced concrete bridges**
	Yassin AL-Kour, K&A Beirut, Lebanon
Lunch Break @ Al-Tannour 13:15-13:50	
Young Research Forum	
13:50-14:00	**A comparative assessment of probabilistic seismic hazard for pseudo-negative stiffness control of a steel base-isolated building**
	Wei Gong, Huazhong University of Science and Technology, China
14:00-14:10	**Experimental Investigation of the Fastening Parameters Influencing the Interfacial Behavior of Composite-Steel Anchored Lap Connections**
	Omnia AbouEl-Hamd, United Arab Emirates University, UAE
14:10-14:20	**Typical Fracture Behaviour of the Steel-Concrete Composite Beam with Web Openings in Various Sizes under Axial Tension and Uniaxial Negative Bending**
	Mahesan Bavan, National University of Malaysia, Malaysia
Closing Ceremony	



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2nd World Congress and Exhibition on

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