Joint Event

5th World Congress and Exhibition on
CONSTRUCTION AND STEEL STRUCTURE

&

World Congress on
CONCRETE STRUCTURES & CONCRETE TECHNOLOGY

October 05-06, 2018 | Los Angeles, USA
**Panel Discussion**

Sessions: Structures | Construction Engineering and Management | Earthquake Resistance Design | Reinforced Concrete Structures | Construction | Seismic Performance of Concrete Buildings

**Session Chair:** Francis T K Au, The University of Hong Kong, China

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**Session Introduction**

**16:30-16:50**

**Title:** Experimental study of demountable shear connectors for composite bridge decks with corrugated steel sheets  
**Jing Zhang,** Hefei University of Technology, China

**16:50-17:10**

**Title:** Concrete curing process monitoring using intensity-based plastic optical fiber sensor  
**Dong Yang,** Hefei University of Technology, China

**17:10-17:30**

**Title:** Tension-bend-shearing performance of bolted-flange connection for square steel tube structural column  
**Shen Qiang,** Beijing University of Technology, China

**17:30-17:50**

**Title:** Shear Behaviours of HB-FRP Strengthened Concrete Beams  
**Biao Hu,** Shenzhen University, China
Day 2  October 06, 2018
Conference Hall: Colombard

Keynote Forum

10:00-10:30 Title: Modelling reinforced concrete structures under fire conditions
Zhao Hui Huang, Brunel University London, UK

Panel Discussion

Networking & Refreshment Break 10:30-10:45 @ Foyer

10:45-11:15 Title: Lessons learned from world landmark concrete construction projects
Moncef Nehdi, Western University, Canada

11:15-11:45 Title: New concepts in crack and deformation analysis of reinforced concrete structures
Gintaris Kaklauskas, Vilnius Gediminas Technical University, Lithuania

11:45-12:15 Title: Long span steel built up girders, precast prestress and post tensioned systems from the design and constructability perspectives
M Manikandan, Gulf Consult, Kuwait

12:15-12:45 Title: Innovation in steel construction, design and performance with a case study on full scale lateral impact response of beam-to column connections
Hassan Al Nageim, Liverpool John Moores University, UK

12:45-13:15 Title: Comparative study of repairing concrete using carbon fiber reinforced epoxy composites and bioresource composites
Elhem Ghorbel, Université of Cergy-Pontoise, France

Panel Discussion

Lunch Break 13:20-14:00 @ Foyer

14:00-14:30 Title: Seismic performance of corroded reinforced concrete moment-resisting frame structures
Huanjun Jiang, Tongji University, China

14:30-15:00 Title: Smart concrete pavement system for integrated performance and traffic monitoring
Ying Huang, North Dakota State University, USA

15:00-15:30 Title: Transient creep in plain and fiber reinforced concrete structures subjected to compressive load at high temperature
Thomaz Eduardo Teixeira Buttignol, Mackenzie Presbyterian University, Brazil

15:30-16:00 Title: Strength enhancement of existing concrete infrastructure: Challenges and opportunities
Samir Dirar, University of Birmingham, United Kingdom

Panel Discussion

Networking & Refreshment Break 16:00-16:15 @ Foyer

16:15-16:45 Title: Performance based specifications for geopolymer concrete in chloride environment
Arnaud Castel, The University of New South Wales, Australia

Sessions: Fire Safety Engineering | Safety Management in Construction | Construction Industry | GeoPolymer Concrete | Durability | Structures
Session Chair: M Manikandan, Gulf Consult, Kuwait

16:45-17:05 Title: OSHA Data Initiative’s (ODI) meaning and findings
Scott A Arias, Eastern Kentucky University, USA

17:05-17:25 Title: Risk management and its importance in construction projects from the life cycle perspectives
M Manikandan, Gulf Consult, Kuwait

17:25-17:45 Title: Numerical simulation analysis toward the pseudo-dynamic test of resilient prestressed steel frame with intermediate column containing friction damper
Yanxia Zhang, Beijing University of Technology, China

Awards and Closing Ceremony