*International Conference on*

# STRUCTURAL DESIGN AND INFRASTRUCTURE DEVELOPMENTS



JUNE 24-25, 2019 AT
DUBAI, UAE

| International Conference on Structural Design and InfraStructure Developments | |
|---|---|
| **Day 1,June 24, 2019 @ Hotel Name** | |
| **09:00-09:30** | Registration |
| **09:30-09:45** | Introduction |
| **Keynote Forum** | |
| **9:45-10:30** | Tittle: Integrated Computerised Maintenance Management System (I-CMMS) for Precast Concrete Building. |
| | Zul-Atfi Ismail,University Malaysia Perlis, Malaysia |
| **10:30-11:15** | Title: Innovative concept on structural engineering of mega tall buildings applied to one kilometer high concrete skyscraper. |
| | Feroz Alam ,Senior Structural Engineer at Qatar Government , Qatar |
| **Refreshment & Networking Break 11:15-11:30** | |
| **Oral Session** | |
| **Session I Introduction** | |
| Sessions: Steel Structure and Framework \| Structural Engineering and Structural Designing \| Traditional Architecture VS Modern Architecture | |
| Session Chair: Morcous. G, University of Nebraska-Lincoln, Nebraska, USA<br>Session Co Chair: Altaf Usmani ,Senior Manager Engineering & Technology Development, India | |
| **11:30-12:00** | Title: A Numerical Investigation on the Mode of Failure for a Composite Beam Subjected to Combined Negative Bending and Axial Loads. |
| | Mahesh Bavan, Department of Civil Engineering, University Technology Malaysia, Malaysia |
| **12:00-12.30** | Title: Effect of corrosion on flexure, shear & torsional strength of reinforced concrete member. |
| | Sudhir P.Patil,School of Civil Engineering, MIT-World Peace University,India |
| **12:30-13:00** | Title: 3D Modeling of Dynamic Interaction of Steel Building Structures on Raft Foundation |
| | Lakshmi Kant, Department of civil and environmental engg., Indian Institute of technology, India |
| **Lunch (13:00-14:00)** | |
| **14:00-14:30** | Title: Causal Relations Between Infrastructure and Economic Development in India: An Empirical Evaluation |
| | Anita Kumari, Department of Management Studies, IIT Roorkee, India |
| **14:30-15:00** | Title: Seismic Analysis of Metro Stations |
| | Sudhir Bikram KC, School of Civil Engineering and Architecture, Wuhan University of Technology, China |
| **Session II Introduction** | |
| Sessions: Earthquake Engineering for Structural Designing\| Analysis and Design of On-shore and Off-shore Structures \| Pre-Stressed Concrete(PSC) VS Reinforced Cement | |
| Session Chair: Feroz Alam ,Senior Structural Engineer at Qatar Government , QatarSession Co-chair: Zul-Atfi Ismail,University Malaysia Perlis, Malaysia | |
| **15:00-15:30** | Title: Strength and Ductility Study on Beam Column Joint Using Bio Concrete |
| | Dr Gunaselvi S,Department of Civil Engineering, Valliammai Engineering College, India |
| **15:30-16:00** | Title: Approximate Closed-Form Solution for Inelastic Buckling of Brace Members |
| | Ali Davaran, Structural Engineering Researcher, Canada |
| **Tea Break (16:00-16:15)** | |
| **16:15-16:45** | Title:Effect of Reinforced Soil Structure Interaction on Foundation Settlement Characteristics of A Three Dimensional Structure |
| | H.M.Rajashekar Swamya, Department of Civil Engineering, M S Ramaiah University of Applied Sciences, India |
| **Day 2, June 25, 2019 @ Dubai, UAE** | |
| **Introduction-** | |
| **Keynote Forum** | |
| **9:45-10:30** | Title: Innovative Systems for Accelerated Construction of Concrete Bridges |
| | Morcous. G, Durham School of Architectural Engineering and Construction, University of Nebraska-Lincoln, Nebraska, USA |
| **10:30-11:15** | Tittle: Challenges in Design and Construction of Large Underground Storage Caverns. |
| | Altaf Usmani ,Senior Manager Engineering & Technology Development, India |
| **Refreshment & Networking Break 11:15-11:30** | |
| Sessions: Traditional Architecture VS Modern Architecture \| Steel Structure and Framework \| Earthquake Engineering for Structural Designing | |
| Session Chair: Feroz Alam ,Senior Structural Engineer at Qatar Government , QatarSession Co Chair: Zul-Atfi Ismail,University Malaysia Perlis, Malaysia | |
| **11:30-12:00** | Title: Size effect on shear strength of slender reinforced concrete beams |
| | Subhan Ahmad, Department of Civil Engineering, Indian Institute of Technology, Roorkee, India |
| **12:00-12:30** | Title: Improved design and retrofit methodologies for Structures Located in Seismically Prone Regions |
| | C.K. Madheswaran, Senior principal scientist, CSIR-SERC, India |
| **12:30-13:00** | Title: Historic Landmark and its role as a Catalyst for Urban Regeneration: Al Mahatta, Sharjah |
| | Ashok Ganapathy Iyer, School of Design and Architecture, Manipal Academy of Higher Education, Dubai |
| | **Lunch (13:00-14:00)** |
| **14:00-14:30** | Title: Vulnerability Assessment for RC building with Vertical Irregularity in India |
| | Saurabh S, Department of civil and environmental engg., Indian Institute of technology, India |
| **14:30-15:00** | Title: Response analysis of laterally loaded pile foundation for liquefiable soil using Finite Element Analysis software.. |
| | Muthulakshmi K, Research scholar, College of Engineering, Anna University, India |
| **15:30-16:00** | Title: Understanding of Finite Element Method from Basics |
| | K.Janardhana,Department of Civil engineering, PES university, India |
| **Refreshment Break** | |
| **Panel Discussions by Experts Session Adjournment** | |
| **Networking & Refreshments** | |
| Poster Presentations | |
| Award Ceremony | |

# Meet our Keynote Speakers

## George Morcous

Professor of Construction Engineering, University of NebraskaLincoln, USA



## Feroz Alam

Senior Structural Engineer, Qatar Government , Qatar



## Zul-Atfi Ismail

Professor, University Malaysia Perlis, Malaysia



# Tourist Attractions







## READY TO SEE THE DUBAI?

**BOOK YOUR SLOT TODAY!**

Dubai is a city that must be seen to be believed. Here are the top places to tick off your sightseeing list when you're in town, some are The Dubai Mall, The Dubai Fountain, Burj Khalifa, Burj Al Arab, Ski Dubai, Kite Beach, Dubai Aquarium and Underwater Zoo.

Hotel Name:
**MENA Plaza Hotel Albarsha**
P.O. Box 282464
Street 13, Al Barsha 1
Dubai, United Arab Emirates



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