

182nd Conference
Scientific Federation



 Crowne Plaza Dubai - Deira, Dubai, UAE

Scientific Program

International Conference on

Infrastructure and Construction

October 11-12, 2019 | Dubai, UAE



Scientific Federation
Panjagutta, Hyderabad, Telangana-500082, India

Day 1 October 11, 2019

Al Gazelle

- 08:00-09:00 Registrations
09:00-09:15 Introduction & Opening Words

Plenary Forum

- 9:15-10:00 **Title: Building Software and Big Data: Thoughts on the Future of the Building Practices**
Winifred E Newman, Clemson University, United States
- 10:00-10:45 **Title: Trip – Transferring Research into Practice Utilizing a Global Model**
Tom Iseley, Trenchless Technology Center, Louisiana Tech University, USA

Refreshments Break 10:45-11:00 @ Foyer

- 11:00-11:45 **Title: Design Methodology for Outdoor Thermal Comfort: Achievable, Thermal Environment Modeling, and Thermal Popularity**
Jianlei Niu, The Hong Kong Polytechnic University, China

Keynote Forum

- 11:45-12:25 **Title: Multi-Objective Optimization of Wind-Excited Linked Tall Buildings Considering the Structural and Aerodynamic Couplings**
Tim K.T. Tse, The Hong Kong University of Science and Technology, Hong Kong
- 12:25-13:05 **Title: Remote Sensing Photogrammetry Technology for Ground Deformation Monitoring**
Siau Chen Chian, National University of Singapore, Singapore

13:05-13:10

Group Photo

Lunch Break 13:10-14:00 @ Restaurant

- 14:00-14:40 **Title: Modern Approach for Designing Steel Beams for Lateral Torsional Buckling**
Magdi Mohareb, University of Ottawa, Canada

Invited Talks

Sessions Construction Management | Civil Engineering | Geotechnical Engineering | Urban Planing | Pavement Structures | Planing, Architecture and Design | Construction and Renewable Energy | Reinforced Concrete | Structural Engineering

Session Chair Jianlei Niu, The Hong Kong Polytechnic University, Hong Kong

Session Co-chair Ressel R. Shakir, University of Thi-Qar, Iraq

- 14:40-15:10 **Title: Using Salt in Productive and Resorative Ways for Green Construction and Renewable Energy**
Anwaar Bani Salman, Jordan University of Science and Technology, Jordan
- 15:10-15:40 **Title: Using Salt in Productive and Resorative Ways for Green Construction and Renewable Energy**
Rasha Abuolaim, Jordan University of Science and Technology, Jordan
- 15:40-16:10 **Title: Performance of Highly Modified Asphalt Pavements**
Elie Y. Hajj, University of Nevada, United States

Refreshments Break 16:10-16:25 @ Foyer

16:25-16:55 **Title: Safe Dynamic Behavior of Coupled Tunnel - Soil - Aboveground Structures**

Maria Rossella Massimino, University of Catania, Italy

16:55-17:25 **Title: Evaluation of Bearing Capacity for Pile Foundation Based on SPT and CPT Measurements Using Various Method**

Ressol R. Shakir, University of Thi-Qar, Iraq

17:25-17:55 **Title: Fresh, Mechanical, Durability and Corrosion Properties of Basalt Fiber Reinforced Concrete**

Ahmed Ibrahim, University of Idaho, Moscow

Closing the Conference for the Day 1

Day 2 October 12, 2019

Al Gazelle

Plenary Forum

09:15-10:00 **Title: Sustainable and Durable Materials for Accelerated Construction**

Mohsen A. Issa, University of Illinois, Chicago, USA

Keynote Forum

10:00-10:40 **Title: The Future of Infrastructure: Making The Most of New Sensing Techniques and Data Integration**

Ian Jefferson, University of Birmingham, United Kingdom

10:40-11:20 **Title: Recycled Post-Consumer Glass Pozzolan – A Sustainable Cementitious Material for Concrete**

Julio F. Davalos, The City College of New York, USA

Refreshments Break 11:20-11:35 @ Foyer

Invited Talks

11:35-12:05 **Title: Climate Change and Decentralized Renewable Energy: The Role of Energy Efficiency in Smart Cities**

Gabriella De Maio, University of Studies Federico II, Italy

12:05-12:35 **Title: Building Information Modeling in Enhancing Fire Safety in Buildings**

Kalani C. Dahanayake, City University of Hong Kong, Hong Kong

12:35-13:05 **Title: Changing Strategies in Public Infrastructure Procurement and Contract Management Resulting from Extended Payment Periods and Contractor Plights**

Gabriel Nani, Kwame Nkrumah University of Science and Technology, Ghana

13:05-13:35 **Title: Buckling Analysis of Tapered Continuous Columns Using Modified Buckling Mode Shapes**

Sina Tousi, Amirkabir University of Technology, Iran

Lunch Break @ Restaurant

Poster Presentations

P-001 **Title: Modified Lightweight Concrete on a Glassy Aggregate Made of Industrial Wastes**

Zh. S. Nuguzhinov, Karaganda State Technical University, Kazakhstan

End of the Conference

Bookmark Your Dates

2nd International Conference on

Infrastructure and Construction

October 15-16, 2020 | Lisbon-Portugal

