

184th Conference
Scientific Federation



The Sukosol Bangkok, 477 Thanon Si Ayutthaya, Khwaeng
Thanon Phaya Thai, Khet Ratchathewi, Krung Thep Maha
Nakhon 10400, Thailand

Scientific Program

2nd International Congress on Urban & Civil Engineering

October 21-22, 2019 | Bangkok, Thailand



Scientific Federation
Panjagutta, Hyderabad, Telangana-500082, India

Day 1 October 21, 2019

Kornkamol 1

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

Plenary Forum

- 09:15-09:45 **Title: Moving Beyond the Romans: Deep Learning and Roadway Maintenance**
Mark DeSantis, RoadBotics, Inc., USA
- 09:45-10:15 **Title: Enhancing Sustainability Practices in Construction: A perspective from Canadian Construction Industry**
Faisal Arain, Niagara College, KSA
- 10:15-10:45 **Title: New Technologies for Concrete Structures**
Yu-Fei Wu, RMIT University, Australia
- 10:45-11:15 **Title: Utilization of Selected Bamboo Species as a Sustainable Alternative Economical Materials For Constructions And Civil Engineering Works**
Cesario A. Bacosa Jr, Western Philippines University, Philippines

Refreshments Break 11:15-11:30 @ Foyer

- 11:30-12:00 **Title: The Role of Sustainable Development Goals in Achieving the Saudi Vision 2030**
Majed Mustafa Hallawani, King Saud University, Saudi Arabia
- 12:00-12:30 **Title: Asset Management: Inventory, Decision Making, and Investment Decisions**
Omar Smadi, Iowa State University, USA

Guest Speech

- 12:30-13:15 **Title: Six Decades of Micro-mechanics of Composites**
Tarun Kant, IIT Bombay, India

13:15-13:20

Group Photo

Lunch Break 13:20-14:10 @ Restaurant

Keynote Forum

- 14:10-14:40 **Title: Erosion and Sedimentation in Ganga River**
Zulfequar Ahmad, IIT Roorkee, India
- 14:40-15:10 **Title: Implication of behaviours of piled raft foundations on clay observed in small-scale experiments**
Tatsunori Matsumoto, Kanazawa University, Japan
- 15:10-15:40 **Title: Signal-Controlled Network Designs with Short Lanes using TRANSYT 15's CTM Module And Lane-based Optimization for Coordinated Traffic Signal and Network Configuration Designs**
CK Wong, City University of Hong Kong, Hong Kong
- 15:40-16:10 **Title: EEC, Big Plans, Big Dreams: Eastern Economic Corridor Development, Thailand**
Kasama Polakit, Chiang Mai University, Thailand

Refreshments Break 16:10-16:25 @ Foyer

16:25-16:55 **Title: A Generalized Adaptive Framework for Automating Design Review Process**
Nawari. O. Nawari, University of Florida, USA

Oral Talks

Session **Urban Planning and General scope of Urban Regeneration | Construction Technology and Management | Environmental management | Water Supply and Drainage Engineering | Sustainable energy and the city**

Session Chair's **Faisal Arain, Makkah Campus, Niagara College Canada, KSA**
Mark DeSantis, RoadBotics, Inc., USA

16:55-17:20 **Title: Sliding Seismic Fuse System for Controlled Response of Houses Founded on Thermal Insulation**
Vojko Kilar, University of Ljubljana, Slovenia

17:20-17:45 **Title: The Role of Municipalities in Reducing Environmental Pollution in Cities**
Ziad Alameddine, King Saud University, Saudi Arabia

17:45-18:10 **Title: Evaluation of Benefit and the Effectiveness Improvement on Long-Term Infiltration for Bioretention Cells**
Chia-Chun Ho, National Taiwan University of Science and Technology, Taiwan

18:10-18:35 **Title: Application of FRP Composites to Improve Service Life of Timber Bridges**
Vijaya Gopu, University of Louisiana, USA

End of the Conference

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3rd International Congress on

Urban & Civil Engineering

October 19-20, 2020 | Porto, Portugal

