



Final Program



**SCIENTIFIC
FEDERATION**
ABODE FOR RESEARCHERS

**2nd International Conference on
Infrastructure
and Construction**

November 01, 2021 | Virtual

<https://www.scientificfederation.com/infrastructure-construction/#>

Monday | November 01, 2021

Virtual Presentation

London Time Zone (GMT+1)

09:30-10:10	P	Title: High Performance Steels and Composite-Steel Concrete Structures in Infrastructure and Construction Brian Uy, University of Sydney, Australia
10:10-10:35	I	Title: Subgrade Instability and Fluidisation Under Cyclic and Moving Railway Loading Hongyi Zhao, University of Wollongong, Australia
10:35-11:15	P	Title: Structural Assembly Using Fibre Reinforced Polymer Composites Yu Bai, Monash University, Australia
11:15-11:45	K	Title: Architectural Design Considerations Essential to Realizing the Infrastructure Necessary for a Smart Hospital Eisuke Hanada, Saga University, Japan
11:45-12:25	P	Title: High-Fidelity Flow Field Reconstruction and Revelation of Flow Mechanisms Around High-Rise Structures – A Dynamic Mode Decomposition Approach Tim K T Tse, The Hong Kong University of Science and Technology, China
12:25-12:50	I	Title: Comparative Analysis of Queuing Delays at Waste Reception Facilities Rana Rab Nawaz Ahme, Hong Kong University of Science and Technology, Hong Kong
12:50-13:15	I	Title: The Management of Unit Prices and Potential Failure of Tenders on Roads and Bridges Based on LCA Approach Hermawan Tjan, Soegijapranata Catholic University, Indonesia
13:15-13:40	I	Title: Hybridization of Recycled Tire By-products in a Pavement-Grade Concrete Mix Sayed Mohamad Soleimani, Australian College of Kuwait, Kuwait
13:40-14:05	I	Title: A New Trend in Financial Sustainability of Renewable Energy Power Plants Based on Cryptocurrency Mining Nazenin Gure, Beykent University, Turkey
14:05-14:30	I	Title: Applying Qualitative Research Approaches to Railway Interface Management Darroch Nathan, University of Aberdeen, UK
14:30-14:55	I	Title: Subsurface Infrastructure Digital Twins Alex Shalash, Founder at Idea Fabrik-the HeroEngine company, Switzerland
14:55-15:20	I	Title: Bacillus Subtilis Bacteria Based Microbial Crack Healing Approach Subash Thanappan, Ambo University, Ethiopia

15:20-15:45	I	Title: The Role of Soil Dynamic Characterization in Earthquake Engineering Valentina Lentini, Kore University of Enna, Italy
15:45-16:15	K	Title: Building High Strength Asphalt Pavements Peter Sebaaly, University of Nevada, USA
16:15-16:55	P	Title: Engineering Sustainability: A Pillar of Sustainable Development Marc Rosen, University of Ontario Institute of Technology, Canada
16:55-17:35	P	Title: AI Trends in Architecture Design and Construction Winifred Elyse Newman, Clemson University, USA
17:35-18:00	I	Title: Robust Self-Healing of Cracks in Sustainable Concrete Using Natural Materials Derived Capsule Systems Wei Jianqiang, University of Massachusetts Lowell, USA

End of Virtual Presentations
