



# CIVILMEET2022

MAY 23-25, 2022 | MUNICH, GERMANY

Final Program



## ALBEDO MEETINGS

Floor# 3, Advant Building, 99B, Kakatiya  
Hills, Kavuri Hills, Madhapur Hyderabad,  
TS 500033

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## Day 01, May 23, 2022

08:30-09:00		<b>Registrations</b>	
09:00-09:30		<b>Introduction and Opening Ceremony</b>	
<b>Conferece Chair: Kang-Won Lee, University of Rhode Island, USA</b>			
09:30-10:10	<b>P</b>	Title: Use of Warm Mix Asphalt with Reclaimed Asphalt Pavement to Reduce Climate Change Kang-Won Lee, University of Rhode Island, USA	
10:10-10:40	<b>K</b>	Title: Photogrammetric UAV Technologies aimed at Monitoring of Infrastructures Laura Inzerillo, University of Palermo, Italy	
10:40-11:10	<b>K</b>	Title: High-performance Polylactic Acid Compressed Strawboard Using Pre-treated and Functionalised Wheat Straw Mehdi Chougan, Brunel University London, UK	
11:10-11:25		<b>Refreshment Breaks</b>	
11:25-11:55	<b>K</b>	Title: Recycled Cement in More Sustainable Concrete – Towards Green Concrete Alexandre Bogas, Universidade de Lisbo, Portugal	
11:55-12:25	<b>K</b>	Title: Beyond Geophysics, Using Electromagnetic Waves for Geotechnical and Geoenvironmental Applications Arvin Farid, Boise State University, USA	
12:25-12:55	<b>K</b>	Title: Sustainable Advances in the Use of Advanced Concrete and Composites Materials in Infrastructure Engineering Applications to Extend Structural Service Life: A US Perspective John J. Myers, Missouri University of Science and Technology, USA	
12:55-13:05		<b>Group Photo</b>	
13:05-13:45		<b>Lunch Break</b>	
Workshop Title	<b>W</b>	<b>Next Generation of Building and Retrofitting Technologies</b> Moderator: Mark Bomberg	
13:45-16:15	<b>K</b>	Title: Lessons from Geo-Solar Exergy Storage Technology (GEST) for Housing Applications in Central New York, USA Lowell E Lingo, DFI Enterprises, Inc., USA	
	<b>K</b>	Title: Tomas Barkaney's house in Hungary as an example of Ecological, Thermo-Active (ETA) technology Malgorzata Fedorczyk-Cisak, Cracow University of Technology, Poland	
	<b>K</b>	Title: Monitoring and Modeling Approach as a basis for Building Automatic Control systems Anna Romanska-Zapala, Cracow University of Technology, Poland	
	<b>K</b>	Title: "METABUILDING LABS" - European Network of Testing Facilities. Barbara Pietruszka, Building Research Institute (ITB), Warsaw, Poland	
	<b>K</b>	Title: The Research Project Tyre4BuildIns: An Overview and the Main Achieved Outputs Paulo Santos, University of Coimbra, Portugal	
	<b>K</b>	Title: On Ecological Design and Retrofitting of Residential Buildings Mark Bomberg, Clarkson University, USA	
	16:15-16:30		<b>Refreshment Breaks</b>

16:30-16:55	I	Title: Measuring Construction Workers' Real-Time Situation Awareness: Using Wearable Technologies Behzad Esmaeili, George Mason University, USA
16:55-17:20	I	Title: Preparing Engineers to approach Complex Global Challenges from a Socio-Technical Perspective Jan DeWaters, Clarkson University, USA
17:20-17:45	I	Title: Exploring Timber Building Systems for Deployable Relief Structures: Modular and Kit-of-Parts Solutions Dustin Albright, Clemson University, USA

### End of the Day 1

## Day 02, May 24, 2022

Session-01		Environment-Friendly Construction and Development and Planning for Risk and Natural Hazards Session Chair : Guangqi CHEN, Kyushu University, Japan
09:30-10:00	K	Title: Development of Solid-Fluid Coupling Simulation Technique and its Applications to a Chain of Geo-Disasters Initiated from Landslides Guangqi CHEN, Kyushu University, Japan
10:00-10:25	I	Title: Soil Liquefaction Phenomena and its Impact on Marine Structures Krystyna Kazimierowicz-Frankowska, Institute of Hydro-Engineering of Polish Academy of Sciences, Poland
10:25-10:50	I	Title: Artificial Headlands to Prevent Beach Erosion on Misawa Coast, Japan Sasaki Mikio, Hachinohe Institute of Technology, Japan
10:50-11:15	I	Title: Will be Updated Soon. Michael Carlos Barrios Kleiss, Clemson University, USA
11:15-11:30		<b>Refreshment Breaks</b>
11:30-11:55	I	Title: Monitoring of Timber Construction – Key for Long Service Life of Tall Buildings From Timber Vcelak Jan, InnoRenew CoE, Slovenia
11:55-12:20	I	Title: On the Accuracy of Piezoelectric Vibration Energy Harvesting Modeling Nazenin Gure, Beykent University, turkey
12:20-12:45	I	Title: Properties of Light-Translucent Self-Compacting Concrete or Internal Beam Diaphragm in Reducing Dynamic Responses of Reinforced Concrete Bridges Izni Syahrizal bin Ibrahim, Universiti Teknologi Malaysia, Malaysia
12:45-13:10	I	Title: Using WRF to predict the Maximum Temperatures in summertime (2050- 2060) over the desert of the Arabian Peninsula Hussain Alsarraf, American University of Kuwait, Kuwait
13:10-14:00		<b>Lunch Break</b>

### End Of the Day 02

## May 25, 2022 | Virtual Presentations

### Starts @ Beijing Time Zone (GMT + 8)

09:00-09:10		<b>Introduction</b>
09:00-09:40	P	Title: Advances in Steel-Concrete Composite Structures for Civil, Structural and Environmental Applications Brian Uy, University of Sydney, Australia

09:40-10:20	P	Title: Innovative Thermal Systems for Building Applications
		Chua Kian Jon, National University of Singapore, Singapore
10:20-10:50	K	Title: New research achievement on Environment-Friendly Concrete
		Jie Xu, Tianjin University, China
10:50-11:20	K	Title: Sustainable Urban Development in Chinese Cities
		Yupeng Wang, Xi'an Jiaotong University, China
11:20-11:45	I	Title: Physics-guided Deep Learning Framework for Predictive Modeling of Bridgevortex-Induced Vibrations From Field Monitoring
		Shujin Laima, Harbin Institute of Technology (HIT), China
11:45-12:10	I	Title: DEM Investigation on Creep Behavior of Granular Soils
		WANG Jianfeng Jeff, City University of Hong Kong, Hong Kong
12:10-12:35	I	Title: The Lubrication Layer in Concrete and Its Rheological Properties
		Xuemei Liu, University of Melbourne, Australia
12:35-13:00	I	Title: Actual Situation about Effectiveness of the Diversity Under the Aging Society
		Takashi Nakamura, Tokyo City University, Japan
13:00-13:25	I	Title: Practical Research and Local Government Collaboration
		Tsutomu Tsuboi, Nagoya Electric Works Ltd., Japan
13:25-13:50	I	Title: The Smart Age and Cable Congestion in the Hospital Ceiling
		Eisuke Hanada, Saga University, Japan
13:50-14:15	I	Title: Strategies for Smart and Sustainable Transport from a Gender Perspective
		Elvira Maeso González, University of Málaga, Spain
14:15-14:55	P	Title: The Dynamic Bike Repositioning Problem
		Wai Yuen Szeto, University of Hong Kong, China
14:55-15:20	I	Title: An Experimental Study on Bond Performance of Hot-dip Galvanized Steel Reinforcement in Poor Quality Concrete
		Hongbok Choe, Tokyo University of Science, Japan
15:20-15:45	I	Title: Fatigue Damage Assessment of Reinforced Concrete Beam Using the Magnetic Metal Memory and Acoustic Emission Techniquessia
		Noorsuhada Md Nor, Universiti Teknologi MARA, Malaysia
15:45-16:10	I	Title: Steel Fibre Shear Supplement of Self-Compacting Fibre Reinforced Concrete
		Roslli Noor Mohamed, Universiti Teknologi Malaysi, Malaysia
16:10-16:35	I	Title: A Smart Operation and Maintenance model of offshore Wind Turbines Using Digital Twin Technology and Deep Learning Algorithm
		Lilin WANG, University of Tokyo, Japan

## May 26, 2022 | Virtual Presentations

### Starts @ London, UK Time Zone (GMT )

09:35-10:00	I	Title: High-performance and Low-carbon Structures Fabricated Using Geopolymer-concrete
		Han Fang, University of adelaide, Australia
10:00-10:25	I	Title: The Resource Balanced Economy, an Evolution of the Circular Economy
		Simon P. Michaux, Geological Survey of Finland, Finland

10:25-10:50	I	Title: More Environmentally Friendly Construction Materials. Co2 Incorporation Jose Maria Fernandez Rodriguez, University of Cordoba, Spain
10:50-11:15	I	Title: Assessing Thermal Comfort using IRT – Preliminary Studies Eva Barreira, University of Porto, Portugal
11:15-11:45	I	Title: Community and Infrastructure Resilience in Construction and Civil Engineering Education Valentina Lentini, University Kore of Enna, Italy
11:45-12:10	K	Title: Towards the Elliptical Ring Test for Assessing Cracking Potential of Concrete Xiangming Zhou, Brunel Universit, UK
12:10-12:35	I	Title: Uncertainty Quantification and Partition for Multihazard Risk Inferences of Compound Extremes Yurui Fan, Brunel University London, UK
12:35-13:00	I	Title: When Floods Hit the Road: Quantifying The Resilience of Urban Transportation Systems To Coastal Flooding And Sea Level Rise Indraneel Gireendra Kasmalkar, Nanyang Technological University, Singapore
13:00-13:25	I	Title: Sustainable Design for Exterior Wall Painting Kaori Nagai, Nihon University, Japan
13:25-13:50	I	Title: The Recycling of a Concrete With Known Propertiesto Reproduce A Durable Material For The Civil Engineering Infrastructure Christian Paglia, University of Porto, Portugal
13:50-14:30	P	Title: Environmental Stewardship through Exergy Methods Marc Rosen, University of Ontario Institute of Technology, Canada
14:30-15:00	K	Title: Will be Updated Soon. Winifred Elyse Newman, Clemson University, USA
15:00-15:25	I	Title: Will be updated soon. Lin Beiyu, University if Nevada, USA
15:25-15:50	I	Title: Time Dependent Flexural Deformations in Composite Prestressed Concrete and Steel Beams Fatmir Menkulasi, Wayne State University, USA
15:50-16:15	I	Title: Community and Infrastructure Resilience in Construction and Civil Engineering Education Rokoei Saeed, Mississippi State Universit, USA
16:15-16:40	I	Title: Will be Updated Soon. Sharareh Shirzad, Appalachian State University, USA

**End of the Conference**





# CIVILMEET2023

MAY 18-20, 2023 | BRUSSELS, BELGIUM

2<sup>nd</sup> International Meet on Civil, Structural and Environmental Engineering

<https://www.albedomeetings.com/2023/civilmeet>