



GMCSEE2023

October 19-21,2023 | Barcelona, Spain

2nd Global Meet on Civil, Structural and Environmental Engineering



Holiday Inn Barcelona Sant Cugat |

Carrer del Danubi 24, 08174 Sant Cugat del Valles, Spain



Final Program

PRIME MEETINGS
D.No. 45-57-6/1
3rd Floor, Akkayapalem,
Visakhapatnam, AP 530024

Day-1 | October 19, 2023

9:00-09:15 | On Spot Registrations

Introduction & Opening Speech

9:15-9:30

P

Honorary Speech by Chair: Anoop S. Mokha, Vice-President of Earthquake Protection System, USA

Title: Seismic Design for Resilient and Sustainable Structures

9:30-10:10

P

Anoop S. Mokha, Vice-President of Earthquake Protection System, USA

Title: Shifting towards Sustainability: Concepts, Criteria, and Innovation

10:10-10:50

P

Heriberto Cabezas, University in Miskolc, Hungary

10:50-11:10 | Refreshment Breaks @Foyer

Title: Sustainable Approaches to Structures Using Inventive Seismic Systems

11:10-11:50

P

Mark Sarkisian, Skidmore, Owings & Merrill, USA

Title: Transport of Post-Wildfire PFAS Contamination

11:50-12:30

P

Arvin Farid, Boise State University, USA

Title: Framework of Disaster Management Process and Decision-Making Support System "BOSS"

12:30-13:00

K

Muneyoshi Numada, The University of Tokyo, Japan

13:00-13:10 | Group Photo

13:10-13:55 | Lunch @Restaurant

Title: Incident Diversionary Routing: Survey of Influences and Decisions

13:55-14:20

I

Grace Cole, Louisiana State University, USA

Title: Adaptation of Load Models for Existing Bridges

14:20-14:45

I

Alois Vorwagner, AIT Austrian Institute of Technology, Austria

Title: Utilization of Photovoltaic Panels for Reducing Wind Loads on Cladding and Components

14:45-15:10

I

Yasushi Uematsu, Tohoku University, Japan

Title: Circular Bio-Based Construction

15:10-15:35

I

Carlos Oliveira Augusto, Lusíada University, Portugal

Title: Comparative Evaluation of the Corroded Flexure Member's Post-Yield Performance

15:35-16:00

I

Divyashree, Lingaya's Vidyapeeth, India

16:00-16:20 | Refreshment Breaks @Foyer

Title: Analysis of Construction Waste Management in Historic and New Buildings in Jalisco, Mexico

16:20-16:45

I

Fabiola Colmenero Fonseca, Universitat Politècnica de Valencia, Spain

16:45-17:10	I	Title: Performance of Asphalt Pavements in Hot Arid Climates Mohamed Imbarek Esekbi , University of Tripoli, Libya
Closing the Conference for Day 1		
Day-2 October 20, 2023		
10:00-10:25	I	Title: Characteristics of Slow-Release Glassy Fertilizers as a Future-Proof Solution for Agriculture Magdalena Szumera , AGH University of Science and Technology, Poland
10:25-10:50	I	Title: From the Study of Materials to the Systemic Approach for a Reasoned Rehabilitation Isabelle Fortuné , National School of Architecture of Toulouse, France
10:50-11:15	I	Title: Pultruded FRP Component Testing and Field Deployment Issam E Harik , University of Kentucky, USA
11:15-11:35 Refreshment Breaks @Foyer		
11:35-12:00	I	Title: Data Collection Process for the Building Database of the Project "Earthquake Risk Assessment of the City of Zagreb" Alen Kadić , University of Zagreb, Croatia
12:00-12:25	I	Title: Robust Optimization of Construction Waste Disposal Facility Location Considering Uncertain Factors Guokai Li , University of Padua, Italy
12:25-12:50	I	Title: Complex Engineering Design of Coastal Protection M. Todorov , University of Architecture, Civil Eng. and Geodesy, Bulgaria
12:50-13:35 Lunch @Restaurant		
13:35-14:00	I	Title: Cool Roof, High Albedo Material for Passive Cooling Solution: An Experience in Indonesia Beta Paramita , Universitas Pendidikan Indonesia, Indonesia
14:00-14:25	I	Title: Effect of Cross-Section Geometry on Torsional Behaviour of Stainless Steel Polygonal Hollow Tubes Sanasam Vipej , National Institute of Technology Mizoram, India
14:25-14:50	I	Title: Earthquake-Fire Multi-Disaster Effect and Disaster Resilience of Complex Buildings Group Shidong Li , Southeast University, China
14:50-15:15	I	Title: Spatio-Temporal Description of the NDVI (MODIS) of the Ecuadorian Tussock Grasses and its Link with the Hydrometeorological Variables and Global Climatic Indices Jhon Alex Villarreal Veloz , Escuela Politécnica Nacional, Ecuador
15:15-15:40	I	Title: Aligning Climate Change and Sustainable Development Goals for Sustainable Nature and Environmental Protection Nwafi Adi Ngeayi , Cameroon

Poster Presentations

P-001

Title: **Transformer-Based Defect Detection for Concrete Structures**

Lien Minh Dang, Sejong University, South Korea

P-002

Title: **Properties of Sound Absorption Composite Materials Developed Using C&D Waste**

Cazan Cristina, Transilvania University of Brasov, Romania

P-003

Title: **Noise Mitigation Measures - Improvement in Quality of Life for Residents through Reduction of Rail Traffic Noise**

Marcin Wrótny, Lublin University of Technology, Poland

P-004

Title: **The 21st Century Sustainable Suburb**

William J. Batson Jr., Prarie View A & M University, USA

Refreshment Breaks @Foyer

End of the Physical Conference

Day-3 | October 21 | Virtual Presentations

London Time Zone(GMT+1)

09:00-9:25

I

Title: **Sea-Level Rise Inundation Losses in Pacific Small Island Developing States: Towards Strengthened Risk Information for Coastal Adaptation**

Shaun Williams, National Institute of Water & Atmospheric Research Ltd, New Zealand

9:25-9:50

I

Title: **Estimation on Natural Frequency of Scissors-Type Bridge and Its Validation with Hammering Test**

Yuki Chikahiro, Shinshu University, Japan

9:50-10:30

P

Title: **Stereolithographic Additive Manufacturing of Environmental Structures for Sustainable Societies**

Soshu Kirihara, Osaka University, Japan

10:30-10:55

I

Title: **Research on Flexural Properties of Hybrid Coconut Fiber and Carbon Nanotube Reinforced Foam Concrete**

Jun Huang, Wenzhou University, China

10:55-11:20

I

Title: **Research on Supply Chain Decisions for Production Waste Recovery and Reuse Based on a Recycler Focus**

Xingyao Liu, China

11:20-11:45

I

Title: **Improved Data Anomalies Detection and Classification using Machine Learning and Statistic Information**

Shieh-Kung Huang, National Chung Hsing University, Taiwan

11:45-12:10

I

Title: **Response Surfaces For Engineering Properties of Mortar With Sodium Hydroxide-Treated Crumb Rubber**

Ahmad Nurfaidhi Rizalman, Universiti Malaysia Sabah, Malaysia

12:10-12:35

I

Title: **Nonlinear Buckling of Steel Cone-segmented Cylinders Under External Pressure: Numerical And Experimental Evaluations**

Jian Zhang, Jiangsu University of Science and Technolog, China

12:35-13:05	K	Title: Fire Resistance of Steel Tuss Bridge Girders Gang Zhang , Chang'an University, China
13:05-13:30	I	Title: TBA Zhu Feng , Nanyang Technological University, Singapore
13:30-13:55	I	Title: Slope Stability in Geotechnically Complex Formations Maria Lia Napoli , Politecnico di Torino, Italy
13:55-14:20	I	Title: Improving the Fatigue Design of Mechanical Systems such as Refrigerator Seongwoo Woo , Ethiopian Technical University, Ethiopia
14:20-14:45	I	Title: Failure Mechanism of Cut slope in the Granitic Terrain of Central Nepal Himalaya Ujjwal Raghubanshi , Tribhuwan University, Nepal
14:45-15:10	I	Title: Virtual Reality for Multidisciplinary AEC Team Collaboration Bitu Astaneh Asl , California State University, East Bay, USA
15:10-15:50	P	Title: Vibration-Based Structural Damage Detection Weidong Zhu , University of Maryland, USA

End of the Virtual Conference

Next Event Details:

**3rd Global Meet on
Civil, Structural and Environmental Engineering
GMCSEE2024
September 02-04, 2024 | DUBAI, UAE**

