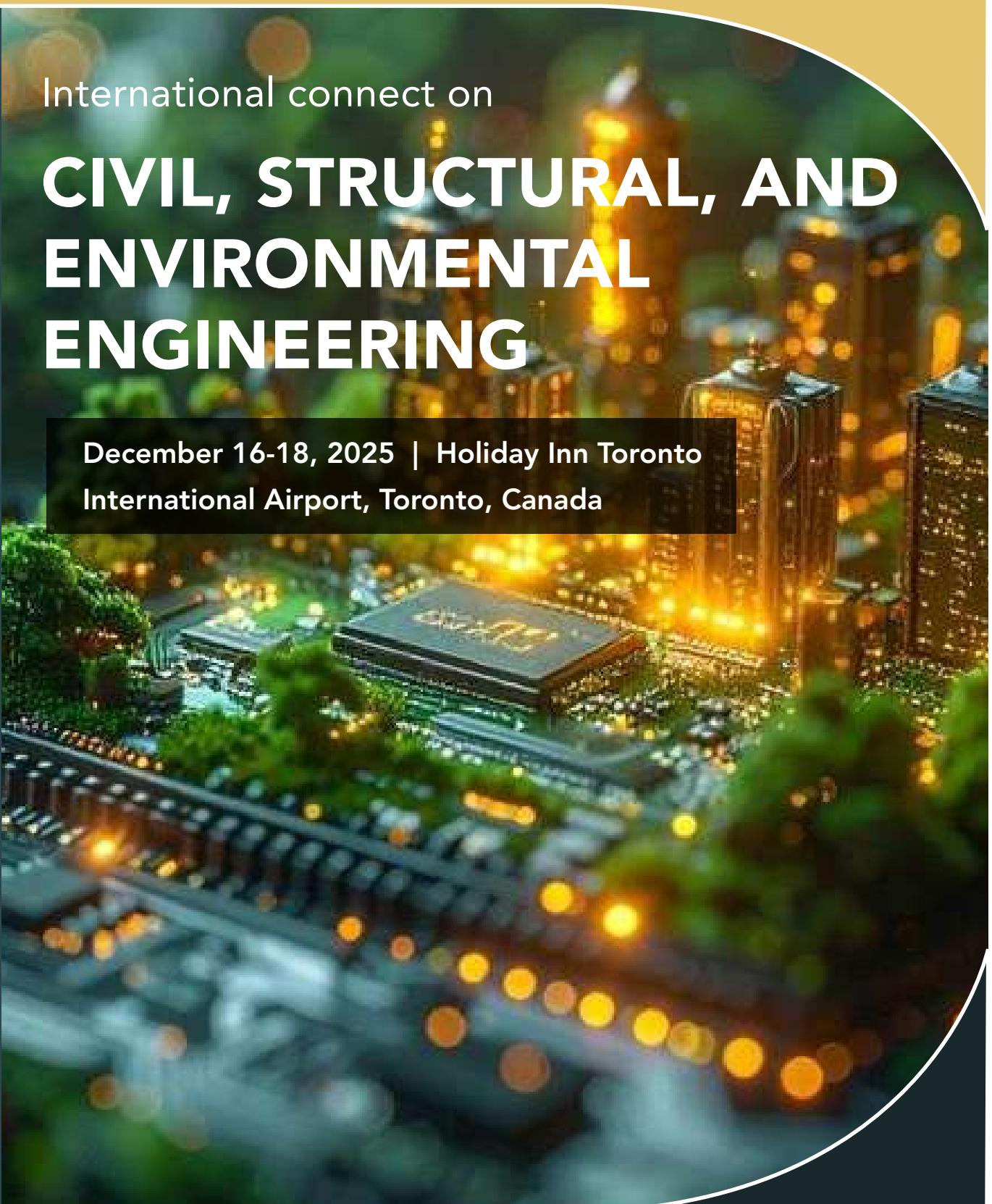


**CIVILCONNECT2025**

International connect on

# **CIVIL, STRUCTURAL, AND ENVIRONMENTAL ENGINEERING**

**December 16-18, 2025 | Holiday Inn Toronto  
International Airport, Toronto, Canada**



 <https://civilconnect.org>

 [secretary@civilconnect.org](mailto:secretary@civilconnect.org)

## DAY - 1 | December 16, 2025

08:30-09:00	<b>Registrations</b>	
09:00-09:30	<b>Introduction and Opening Words by</b> <b>Conference Chairman: Dr. Tongyuan Wang, TechEngine Plus Com, Canada</b> <b>Moderator: Dr. Van Thinh Nguyen, Seoul National University, South Korea</b>	
<b>Plenary Session</b>		
09:30-10:15	<b>Title:</b> The W Model: A Systematic Engineering for Water Source Clearance, Renewable Energy and Organic Fertilizer Production, Ecological Agriculture, and Sustainable Economic Development	P
	<b>Tongyuan Wang, TechEngine Plus Com, Canada</b>	
10:15-11:00	<b>Title:</b> Minimizing CO <sub>2</sub> Emissions for Bridge Foundations using the Combined Pile-Raft Foundation	P
	<b>Steffen Leppla, Frankfurt University of Applied Sciences, Germany</b>	
<b>Keynote Session</b>		
11:00-11:30	<b>Title:</b> Reinforced Concrete Vs Steel in Bridge Design: A Discussion of Structural Expression Between Civil Engineering and Architecture	K
	<b>Levent Kara, University of South Florida, USA</b>	
11:30-11:45	<b>Refreshment Break</b>	
<b>Plenary Session</b>		
11:45-12:30	<b>Title:</b> Research on Numerical Assessment for Structural Performance of FRG-RC Hybrid Members	P
	<b>Kazutaka Shirai, Hokkaido University, Japan</b>	
<b>Keynote Session</b>		
12:30-13:00	<b>Title:</b> Innovating Ultra High Performance Concrete (UHPC) Applications in Bridge Foundations	K
	<b>Philip Loh, Facca Incorporated, Canada</b>	
13:00-13:10	<b>Group Photo</b>	
13:10-14:10	<b>Lunch</b>	
<b>Workshop</b>		
14:10-15:15	<b>Title:</b> Optimization of Foundation Systems for Very High Loads in Difficult Soil Conditions	W
	<b>Steffen Leppla, Frankfurt University of Applied Sciences, Germany</b>	
<b>Plenary Session</b>		
15:15-16:00	<b>Title:</b> Recent Developments and Applications of CFD in Environmental Fluid Flows	P
	<b>Van Thinh Nguyen, Seoul National University, South Korea</b>	

16:00-16:15	Refreshment Break	
16:15-17:00	<b>Title:</b> Intelligent Approaches for Practical Prognosis and Health Management <b>Mingjian Zuo</b> , University of Alberta, Canada	P
<b>Keynote Session</b>		
17:00-17:30	<b>Title:</b> OverBulid <b>Feria Gharakhanzadeh</b> , Technical University, Austria	K
17:30-18:00	<b>Title:</b> Estimation of Mechanical Properties of Ultra-High Strength Concrete with Lightweight Aggregate Using Artificial Neural Networks <b>Hamidreza Moradi</b> , Islamic Azad University, Iran	K
<b>END OF THE DAY</b>		

## DELEGATES

**Peniel Poteau**, CEO of Bati-Pro (a Company Specializing in Building Construction), Haiti

**Mackdonald Jeanty**, American University of the Caribbean (AUC), Haiti

**Katshunga Batubenga Djonny**, N'Sele Tourist Site (STN), Democratic Republic of Congo

**Kibazola Walandila Jaugly**, N'Sele Tourist Site (STN), Democratic Republic of Congo

**Muepu Kalonji Frida**, N'Sele Tourist Site (STN), Democratic Republic of Congo

**Nzita Nzita Dieu**, N'Sele Tourist Site (STN), Democratic Republic of Congo

**Yaman Sawaf**, Graham Construction, Canada

## DAY - 2 | December 17, 2025 WEBINAR

### London Time Zone (GMT +0)

09:00-09:20	<b>Title:</b> Examining Complexities in Transitioning to Lower Impact Building Materials <b>Emina Kristina Petrovic</b> , Te Herenga Waka—Victoria University of Wellington, New Zealand	K
09:20-09:45	<b>Title:</b> Experimental Assessment of Carbonation Resistance of Iron Slag and Recycled Aggregates Concrete <b>Gurpreet Singh and Navdeep Singh</b> , DR BR Ambedkar National Institute of Technology, India	I
09:45-10:00	<b>Title:</b> Experimental Investigation of the Influence of Pre-Fatigue Cycles on the Fatigue Behavior of Corrosion-Damaged Deep Reinforced Concrete Beams <b>Aamna Sarfaraz</b> , Indian Institute of Technology Kanpur, India	I
10:00-10:15	<b>Title:</b> Recent Trends in Development of Real-time Landslide Early Warning System <b>Prashant Sudani</b> , JSPM University, India	I
10:15-10:30	<b>Title:</b> Civil, Structural and Environmental Engineering <b>Priyanka Mishra</b> , KIIT, India	I
10:30-10:45	<b>Title:</b> Flood Water Diversion for Managed Aquifer Recharge to Support Irrigated Agriculture <b>Ghulam Zakir Hassan</b> , Director of the Irrigation Research Institute, Pakistan	I
10:45-11:10	<b>Title:</b> Cooperation with Companies Manufacturing Rubber Bearings Led to Further Development and Extensive Application of Seismic Isolation Technologies in Armenia <b>Mikayel Melkumyan</b> , CEO, “Melkumyan Seismic Technologies” LLC, Armenia	P
11:10-11:30	<b>Title:</b> Artificial Intelligence in Civil Engineering <b>Danial Mohammadzadeh S</b> , Sajad University of Mashhad, Iran	K
11:30-11:45	<b>Title:</b> Can Waste Management Change the World of Environment? <b>Hadi Erfani</b> , Islamic Azad University, Iran	I
11:45-12:00	<b>Title:</b> Temporary Seismic Strengthening Methods for RC Columns under Post-Earthquake Conditions <b>Mohamad Reza Shokrzadeh</b> , International Institute of Earthquake Engineering and Seismology (IIEES), Iran	I

12:00-12:15	<b>Title:</b> Component Level Probabilistic Seismic Fragility Assessment of a Typical Highway Bridge in a Moderate Intensity Zone  <b>Kirubel Tefera Gesho</b> , Southwest Jiaotong University, Chengdu, China, and Dilla University, Dilla, Ethiopia	I
12:15-12:35	<b>Title:</b> Compressed Natural Gas: The Geo-scientific and Technological Innovation Shaping the Energy Landscape for a Cleaner and Eco-friendly Society in Nigeria  <b>Ibrahim Olanrewaju Ibrahim</b> , Planning and Design Department, Lower Niger River Basin Development Authority, Ilorin, Kwara State, Nigeria	K
12:35-12:50	<b>Title:</b> Climate Change and its Impact on Wetlands in the Central Middle Atlas: A Study using Geographic Information Systems (GIS)  <b>Jaouad Chami</b> , Sultan Moulay Slimane University, Morocco	I
12:50-13:05	<b>Title:</b> Unified Micromechanics Theory of Composites  <b>Valeriy Buryachenko</b> , President of Micromechanics & Composites, USA	P
13:05-13:30	<b>Title:</b> Building a Sustainable Future: Educating Tomorrow's Leaders for a Sustainable Built Environment  <b>Faisal Arain</b> , President of Willowbank School of Restoration Arts and CEO, AM Management Global, Canada	P
13:30-13:45	<b>Title:</b> Shaft Resistance Development and Critical Depth Evaluation of Uplifted Piles in Overconsolidated Sand  <b>Abdulnaser Alamari</b> , Concordia University, Canada	I
13:45-14:00	<b>Title:</b> Assessing Climate Variability and Flood Risk Using Machine Learning in Sacramento, California  <b>Dewasis Dahal</b> , Water Resources Researcher, USA	I

END OF THE DAY



## NEXT SERIES

2nd International Connect on

# CIVIL, STRUCTURAL, AND ENVIRONMENTAL ENGINEERING

October 26-28, 2026 | Frankfurt, Germany