

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

DAY - 1 December 16, 2025		
08:30-09:00	Registrations	
09:00-09:30	Introduction and Opening Words by Conference Chairman: Dr. Tongyuan Wang, TechEngine Plus Com, Canada Moderator: Dr. Van Thinh Nguyen, Seoul National University, South Korea	
Plenary Session		
09:30-10:15	Title: The W Model: A Systematic Engineering for Water Source Clearance, Renewable Energy and Organic Fertilizer Production, Ecological Agriculture, and Sustainable Economic Development	P
	Tongyuan Wang, TechEngine Plus Com, Canada	
10:15-11:00	Title: Minimizing CO ₂ Emissions for Bridge Foundations using the Combined Pile-Raft Foundation	P
	Steffen Leppla, Frankfurt University of Applied Sciences, Germany	
Keynote Session		
11:00-11:30	Title: Reinforced Concrete Vs Steel in Bridge Design: A Discussion of Structural Expression Between Civil Engineering and Architecture	K
	Levent Kara, University of South Florida, USA	
11:30-11:45	Refreshment Break	
Plenary Session		
11:45-12:30	Title: Research on Numerical Assessment for Structural Performance of FRG-RC Hybrid Members	P
	Kazutaka Shirai, Hokkaido University, Japan	
Keynote Session		
12:30-13:00	Title: Innovating Ultra High Performance Concrete (UHPC) Applications in Bridge Foundations	K
	Philip Loh, Facca Incorporated, Canada	
13:00-13:10	Group Photo	
13:10-14:10	Lunch	
Workshop		
14:10-15:15	Title: Optimization of Foundation Systems for Very High Loads in Difficult Soil Conditions	W
	Steffen Leppla, Frankfurt University of Applied Sciences, Germany	
Plenary Session		
15:15-16:00	Title: Recent Developments and Applications of CFD in Environmental Fluid Flows	P
	Van Thinh Nguyen, Seoul National University, South Korea	

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

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

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



NEXT SERIES

2nd International Connect on

CIVIL, STRUCTURAL, AND ENVIRONMENTAL ENGINEERING

October 26-28, 2026 | Frankfurt, Germany

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