

Session Overview

Date: Monday, 18/Sept/2023

<p>8:30am -</p> <p>9:30am</p>	<p><u>Development of structural design Codes for FRC</u> Location: <u>Pima (#230)</u> Chair: Gyorgy Balazs</p> <p>Keynote Talk #1 Professor Marco di Prisco</p> <p>FRC in Structural Codes: Novelties and Confirmations in the Forthcoming Eurocode 2 and Model Code 2020</p> <p>Keynote Talk #2 Professor Bruno Massicotte Development of the Canadian Bridge Code for Structural Design of FRC Members</p>	
<p>9:30am -</p> <p>10:50am</p>	<p><u>Session A: Material Properties</u> Location: <u>Pima (#230)</u> Chair: Antoine E. Naaman Chair: Gyorgy Balazs</p>	<p><u>Session B: Impact and Blast Loading and Ductility</u> Location: <u>Ventura A (241 A)</u> Chair: Matteo Colombo Chair: Majid Khorami</p>
<p>10:50am -</p> <p>11:20am</p>	<p><u>Coffee Break</u> Location: <u>Ventura B/C (241 B/C)</u></p>	
<p>11:20am -</p> <p>1:00pm</p>	<p><u>Session A: Fiber Distribution and Orientation</u> Location: <u>Pima (#230)</u> Chair: Viktor Mechtcherine Chair: Giulio Zani</p>	<p><u>Session B: Fatigue Effects</u> Location: <u>Ventura A (241 A)</u> Chair: Liberato Ferrara Chair: Erik Stefan Bernard</p>
<p>1:00pm -</p> <p>2:00pm</p>	<p><u>Lunch</u> Location: <u>Ventura B/C (241 B/C)</u></p>	
<p>2:00pm -</p> <p>3:40pm</p>	<p><u>Session A: Mechanical Characterization</u> Location: <u>Pima (#230)</u> Chair: Pierre Rossi Chair: Alessandro Pasquale Fantilli</p>	<p><u>Session B: Design Specifications for Structural Applications</u> Location: <u>Ventura A (241 A)</u> Chair: Gustavo Parra-Montesinos Chair: Giovanni Plizzari</p>
<p>3:40pm -</p> <p>4:10pm</p>	<p><u>Coffee Break</u> Location: <u>Ventura B/C (241 B/C)</u></p>	
<p>4:10pm -</p> <p>5:30pm</p>	<p><u>Session A: Temperature Effects</u> Location: <u>Pima (#230)</u> Chair: Enzo Martinelli Chair: Hassan Aoude</p>	<p><u>Session B: Creep and Long-Term Loading</u> Location: <u>Ventura A (241 A)</u> Chair: Pedro Serna Chair: David Conciatori</p>

Date: Tuesday, 19/Sept/2023

8:30am - 9:30am	<p><u>Application Development</u> Location: <u>Pima (#230)</u> Chair: Giovanni Plizzari</p> <p>Keynote Talk #3 Dr. Charles Nmai, Application of UHPC Concept in Architectural Precast Concrete Master Builders Solutions Admixtures US, USA, United States of America</p> <p>Keynote Talk #4 Mehdi Bakhshi Fiber-Enabled Carbon Footprint Reduction in Design and Construction of FRC Tunnel Segments in North America, AECOM, NY,NY</p>		
9:30am - 10:50am	<p><u>Session A: High Performance FRC</u> Location: <u>Pima (#230)</u> Chair: Bruno Massicotte</p>	<p><u>Session B: Structural Applications 1</u> Location: <u>Ventura A (241 A)</u> Chair: Jakob Šušteršič Chair: Fausto Minelli</p>	
10:50am - 11:20am	<p><u>Coffee Break</u> Location: <u>Ventura B/C (241 B/C)</u></p>		
11:20am - 1:00pm	<p><u>Session A: Numerical & Computational Modelling</u> Location: <u>Pima (#230)</u> Chair: Frank J. Vecchio Chair: Mehdi Bakhshi</p>	<p><u>Session B: Durability and Life Cycle Assessment</u> Location: <u>Ventura A (241 A)</u> Chair: Flavio de Andrade Silva</p>	<p><u>Session C: Special Online Presentations</u> Location: <u>Navaio (240)</u> Chair: Jean-Philippe Charron</p>
1:00pm - 2:00pm	<p><u>Lunch</u> Location: <u>Ventura B/C (241 B/C)</u></p>		
2:00pm - 4:00pm	<p><u>Session A: Structural Rehabilitation and Quality Control</u> Location: <u>Pima (#230)</u> Chair: Matteo Colombo Chair: Nicola Buratti</p>	<p><u>Session B: Structural Applications 2</u> Location: <u>Ventura A (241 A)</u> Chair: Marco di Prisco Chair: Ali Amin</p>	
4:00pm - 4:30pm	<p><u>Coffee</u> Location: <u>Ventura B/C (241 B/C)</u></p>		
4:30pm - 6:00pm	<p><u>Perspectives and future developments in FRC structural applications</u> Location: <u>Pima (#230)</u></p>		
6:00pm - 6:15pm	<p><u>Closing session</u> Location: <u>Pima (#230)</u></p>		
7:30pm - 10:00pm	<p><u>Gala Dinner</u> Location: <u>Culinary Dropout</u> GALA DINNER: Culinary Dropout at the Yard, Tempe, AZ, 149 S Farmer Ave, Tempe, AZ 85281, 480.240.1601</p>		



Date: Wednesday, 20/Sept/2023

<p>9:00am - 11:00am</p>	<p><u>Reinforcement for 3-D printing</u> Location: <u>Ventura A (241 A)</u> Overview of the procedures and processes for design aspects for 3-D printing reinforcement</p>	<p><u>Updating ACI 544-7R Development of Design guide for Precast Tunnel Linings</u> Location: <u>Ventura B/C (241 B/C)</u> Chair: Mehdi Bakhshi ACI 544-7R Overview and Proposed Updates- Tunneling Design and Durability of Underground Structures</p>	<p><u>Textile Reinforced Concrete, RILEM TC-292</u> Location: <u>La Paz</u> Chair: Flavio de Andrade Silva Characterization of Mechanical properties and Development of Design tools for TRC</p>	<p><u>Test Equipment for Closed Loop testing of Cement Composites, FRC, TRC, UHPC</u> Chair: GCTS Closed Loop testing Equipment demonstration by GCTS. Introduction and demonstration of a new test equipment developed for testing FRC, TRC, and UHPC</p>
<p>9:00am - 12:00pm</p>	<p><u>A tour of the Laboratory Facilities at ASU Campus,</u> A walk through the various facilities supporting teaching and research at the ASU Tempe Campus, from Single fiber testing to full-scale structural panels, drop weight impact, high speed tension, and structural fatigue. Materials testing covers a range of Cement chemistry and characterization tests to UHPC, and 3-D Characterization of Mechanical Properties and Development of Test methods for TRC, FRC, and UHPC</p>			