



Concrete Conference

From Gray to Green

Dubai, UAE
12-13 February 2025

AGENDA

TIME	DAY 1—FEBRUARY 12, 2025
8:30 AM – 9:00 AM	REGISTRATION
9:00 AM – 9:30 AM	<p>Opening Ceremony Conference MC: Fouad Yazbeck, FACI, Managing Partner, 360 Tangent and ACI UAE Chapter President</p> <p>Welcome Address</p> <ul style="list-style-type: none"> • Frederick Grubbe, MBA, CAE, ACI Executive Vice President • Dr. Yousef Alhorr, Founding Chairman, The Gulf Organisation for Research & Development (GORD) • Amer Bin Ahmed, Vice Chairman of the Board, ASTM International • Fred Aziz, Principal Commercial Officer, U.S. Consulate Dubai
9:30 AM – 9:50 AM	<p>Keynote Speaker ACI INTERNATIONAL UPDATE: NEW INITIATIVES FOR SUSTAINABLE CONCRETE Michael J. Paul, ACI President</p>
9:50 AM – 10:00 AM	<p>FORMALIZING ACI PARTNERSHIPS: MOU SIGNING CEREMONY The Gulf Organization for Research & Development (GORD), TSE GLOBAL – By Turkish Standards Institute, and Concrete Industry Association, Saudi Arabia</p>
10:00 AM – 10:30 AM	COFFEE BREAK AND NETWORKING
LOW-CARBON DEVELOPMENT: DESIGN AND CONSTRUCTION	
10:30 AM – 11:00 AM	<p>SUSTAINABILITY APPENDIX OF ACI 318-25 Khaled Nahlawi, PhD, PE, Distinguished Engineer, ACI</p>
11:00 AM – 11:30 AM	<p>RECENT DEVELOPMENTS AND INTEGRATION OF SUSTAINABILITY IN STRUCTURAL DESIGN Carol Hayek, PhD, MBA, FACI, FPTI, ACI Board of Direction/Director, CTO, Specialized Engineered Solutions for Structures, CCL</p>
11:30 AM – 12:00 PM	<p>CURRENT LANDSCAPE OF LOW-CARBON CONCRETE MATERIALS Dean Frank, Executive Director, NEU – An ACI Center of Excellence for Carbon Neutral Concrete</p>

12:00 PM – 12:30 PM	ACI UAE CHAPTER UPDATES THE LANDSCAPE OF NEUTRAL CARBON TECHNOLOGIES AND PRACTICES, UAE PERSPECTIVE Ahmad Khartabil, MACI, Technical Manager, Transgulf Readymix Concrete
12:30 PM – 1:30 PM	LUNCH AND PRAY
1:30 PM – 2:00 PM	ADVANCING SUSTAINABILITY: LOW CARBON BUILDING WITH STEEL FIBER-REINFORCED CONCRETE Kasem Maryamh, M.Sc, Technical Director, Falconix Engineering GmbH
2:00 PM – 2:30 PM	THE CARBON COST OF COMPLEXITY: A CASE FOR STRUCTURAL SIMPLICITY David Ruggiero, PhD, PEng, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland
2:30 PM – 3:00 PM	COLLABORATIVE CONCRETE CONSTRUCTION: BALANCING CONSTRUCTABILITY, RESILIENCY, AND SUSTAINABILITY Scott M. Anderson, MS, FACI, ACI Vice President, General Manager of Keystone Structural Concrete, Houston, TX
3:00 PM – 3:30 PM	ADVANCES AND STATE-OF-PRACTICE IN THE USE OF CORROSION-RESISTANT REINFORCEMENT TOWARDS A MORE DURABLE AND SUSTAINABLE CIVIL ENGINEERING INFRASTRUCTURE Abdeldjelil Belarbi, PhD, PE, FACI, FSEI, FASCE, Distinguished Professor, University of Houston
3:30 PM – 3:50 PM	BUILDING A CARBON BENCHMARK – ASSESSING EMBODIED CARBON IN UAE STRUCTURES Calum Perey, BE(Hon) BBusMan MIEAust, Principal Engineer, Cundall
3:50 PM – 4:00 PM	ACI COMPLIMENTARY MEMBERSHIP DRAW AND GIVEAWAYS

TIME	DAY 2—FEBRUARY 13, 2025
8:30 AM – 9:00 AM	REGISTRATION
ECO - INNOVATION & REHABILITATION	
9:00 AM – 9:30 AM	EXPLORING THE ROLE OF ACI 562 IN PROMOTING CONCRETE SUSTAINABILITY THROUGH REPAIR ODES Khaled Nahlawi, PhD, PE, Distinguished Engineer, ACI
9:30 AM – 10:00 AM	ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, AND ACI CODE 562: THE FUTURE OF CONCRETE TECHNOLOGY, EVALUATION, AND REPAIR Professor Mufid A. Samarai, Senior Engineering and Education Advisor, Sahara Communications
10:00 AM – 10:30 AM	SUSTAINABILITY ASPECT OF REPAIRING AND STRENGTHENING CONCRETE AND MASONRY STRUCTURES Tarek Alkhrdaji, PhD, PE, PEng, FACI, Senior Vice President, Structural Technologies
10:30 AM – 11:00 AM	GREEN GEOPOLYMER BASED ADHESIVES FOR FRP STRENGTHENING OF CONCRETE STRUCTURES Riadh Saleh Al-Mahaidi, PhD, FACI, FASCE, FIEAust, FIIFC, FICE, FBEI, Professor and Director, Smart Structures Laboratory, Swinburne University of Technology, Melbourne, Australia
11:00 AM – 11:30 AM	COFFEE BREAK AND NETWORKING

11:30 AM – 11:50 AM	<p>BUILDING FOR THE FUTURE: GFRP BARS IN SUSTAINABLE CONCRETE STRUCTURES</p> <p>Muhammad K. Rahman, PhD, Vice President of the ACI Saudi Arabian Eastern Province Chapter</p>
11:50 AM – 12:10 PM	<p>CONCRETE ADMIXTURE: AN OVERLOOKED ASPECT TOWARDS CONCRETE SUSTAINABILITY</p> <p>Moneeb Genedy, PhD, PE, Staff Engineer, ICC Evaluation Service, LLC</p>
12:10 PM – 12:35 PM	<p>DURABLE AND SUSTAINABLE CONCRETE STRUCTURES: CASE STUDIES FEATURING CRYSTALLINE ADMIXTURES</p> <p>Florian Klouda, Director, International Account Coordination, Penetron</p>
12:35 PM – 1:00 PM	<p>ADVANCES IN MAGNESIUM-BASED CEMENT PRODUCTION USING DESALINATION BRINE AND SUSTAINABLE CONSTRUCTION MATERIALS</p> <p>Kemal Celik, PhD, MACI, Associate Professor of Civil Engineering at New York University Abu Dhabi</p>
1:00 PM – 2:00 PM	LUNCH AND PRAY
2:00 PM – 2:30 PM	<p>SEAWATER CONCRETE AND INNOVATIVE IDEAS FOR SUSTAINABLE CONCRETE</p> <p>Antonio Nanni, PhD, PE, ACI Past President 2023-2024</p>
2:30 PM – 3:00 PM	<p>INTRODUCING ACI CODE 323 LOW CARBON CONCRETE: OVERVIEW AND IMPLEMENTATION</p> <p>Matthew P. Adams, PhD, FACI, Chair of ACI Committee 323, Low Carbon Concrete Code, Associate Professor, New Jersey Institute of Technology</p>
3:00 PM – 4:00 PM	<p>PANEL DISCUSSION: FROM POLICY TO PLACEMENT</p> <p>Moderator: Dean Frank, Executive Director, NEU – An ACI Center of Excellence for Carbon Neutral Concrete</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Carol Hayek, PhD, Chief Technical Officer, Specialized Engineered Solutions for Structures (CCL) • Ihab Bassiouni, Principal Building Studies Engineer, Building Permits Department, Dubai Municipality • Ali Said, CEO of UAE Oman, Lafarge, a member of Holcim Group • Alireza Biparva, Technical Director, Kryton International • Ibrahim Abotaleb, PhD, The American University in Cairo (AUC)
4:00 PM – 4:15 PM	<p>CLOSING REMARKS</p> <p>ACI COMPLIMENTARY MEMBERSHIP DRAW AND GIVEAWAYS</p>

