

TRACK CO-CHAIR BIOGRAPHY



Dr. Basil Ibrahim

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Dr. Basil Ibrahim is a Senior Lecturer in the Department of Civil and Environmental Engineering at the University of Sharjah and a licensed Professional Engineer (P.Eng.) in Ontario, Canada. He has international academic, research, and industry experience across Canada, the United States, and the Middle East. His work focuses on the development, assessment, and implementation of sustainable, durable, and high-performance structural materials and systems. His areas of expertise include fiber-reinforced polymer reinforcement, ultra-high-performance concrete, low-carbon concrete, structural durability, lifecycle extension, and the resilience of buildings, bridges, and critical infrastructure under service and extreme loading conditions. Dr. Ibrahim has led and contributed to internationally funded research initiatives involving FRP-reinforced concrete, advanced cementitious materials, and resilient infrastructure. By integrating experimental research, analytical and numerical modeling, and practical structural design, his work bridges the gap between material innovation and real-world engineering applications, with the goal of reducing lifecycle costs, limiting structural failures, and improving the sustainability and long-term performance of the built environment.