



Housing and Building
National Research Center



Housing & Building National Research Center International Conference
Future Vision & Challenges for Urban Development
"Green Smart Sustainable Building between Present & Future"
Cairo, Egypt - 15th - 17th December 2024



Ministry of Housing, Utilities
and Urban Communities



Prof. Ossama Salem

**Professor and former Department Chair of Civil,
Environmental, and Infrastructure Engineering**

Lecture Title: Sustainable Buildings and Infrastructure Asset Management

Field of Experience:

Prof. Dr. Ossama Salem is a professor and former Department Head of Civil, Environmental, and Infrastructure Engineering at George Mason University (GMU), in the Washington D.C. area. Before joining GMU, he was the Endowed Chair Professor of Sustainable Civil Infrastructure and Head of the Civil and Environmental Engineering Department at Syracuse University, in New York State.

He is a Board Member on both the Advisory Council of the Institute for Sustainable Earth at GMU and the Egyptian National Center for Climate Change and Sustainable Development, as well as a former Executive Director of the Civil Engineering Institute in Virginia.

He has more than thirty-five years of professional and academic experience in civil and environmental engineering, sustainable development, construction project management and infrastructure asset management. He is a registered Professional Engineer, Certified Professional Construction Manager, and LEED Accredited Professional.

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Environmental, and Infrastructure Engineering**

Field of Experience:

He has more than thirty-five years of professional and academic experience in civil and environmental engineering, sustainable development, Infrastructure sustainability and resilience, green buildings, construction project management and infrastructure asset management. He has received his Bachelor of Science degree in Civil Engineering from Alexandria University, Egypt; Master's degree in Construction Management from Clemson University, USA; and Ph.D. degree in Civil and Environmental Engineering from the University of Alberta, Canada. He is a registered Professional Engineer, Certified Professional Construction Manager, and LEED Accredited Professional.

His previous academic experience includes serving on the faculty of Engineering at Syracuse University in New York, University of Cincinnati in Ohio, and North Dakota State University.

At Syracuse University, he was the Department Chair and Yabroudi Endowed Chair Professor of Civil and Environmental Engineering. He was also the Director of the Center of "Transportation Livability by Integrating Vehicles and the Environment (TranLIVE)", and a Board Member of the Metropolitan Water Board.

Dr. Salem has authored and co-authored more than 120 peer-reviewed articles; mentored and advised more than 70 MS and PhD students; and generated research funding that exceeded 10 million dollars. He received several research and teaching awards from several national and international organizations, including the prestigious National Educator of the Year award from the Construction Management Association of America. He conducted research and consulting work for many public and private organizations, including several US and Canadian public agencies, the Construction Industry Institute, the National Institute for Occupational Safety and Health, City of Cincinnati, Syracuse Metropolitan Water Board, City of Riyadh and Alberta Ministry of Infrastructure.

Dr. Salem's research interests include, infrastructure sustainability and resilience, sustainable development, accelerated construction of infrastructure, lean and green construction, project management, Public-Private Partnerships (P3), smart infrastructure, life cycle analysis, and infrastructure asset management. He served on several boards and committees of many national and international organizations, including the US Green Building Council, Transportation Research Board, American Society of Civil Engineers, Construction Research Council, Construction Industry Institute, Syracuse Metropolitan Water Board and International Society for Maintenance and Rehabilitation of Transport Infrastructures (iSMARTi). He's also an elected member of the Global Leadership Forum in Construction Engineering and Management (GLF-CEM).