

Esber Andiroglu, Ph.D., P.E., LEED



Dr. Andiroglu has BS and MS degrees in Mechanical Engineering and a PhD in Civil / Architectural Engineering. He is an Associate Professor of Practice with primary appointment in Dept. of Civil & Architectural Engineering and secondary appointments in the Dept. of Chemical, Environmental & Materials Engineering and at School of Architecture. He serves as the Director of MS in Construction Management Degree Program and as the Coordinator for the Engineering & Technology Education Outreach Program at College of Engineering.

He is a registered Professional Engineer and a LEED AP accredited educator who has extensive industry experience in evaluation, design, operation and performance analysis of systems in built environments. His public education focus is centered around sustainability, preservation and recovery of energy and water resources, and empowerment of local communities.

As the Director of the Sustainability and Resilience Adaptation Laboratory (SUREAL), Dr. Andiroglu's research area of interest focuses on development of virtual fan / pump flow meters and their application to air / water conveyance systems for achieving optimized performance efficiency. His additional areas of interest is aimed on research and development of engineered solutions related to smart water-energy infrastructures in response to climate change challenges in urban community settings.