

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. He is a registered Professional Engineer and a LEED AP. He 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 for the empowerment of local communities.

In the Sustainability and Resilience Adaptation Laboratory (SUREAL), Dr. Andiroglu's research 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.