



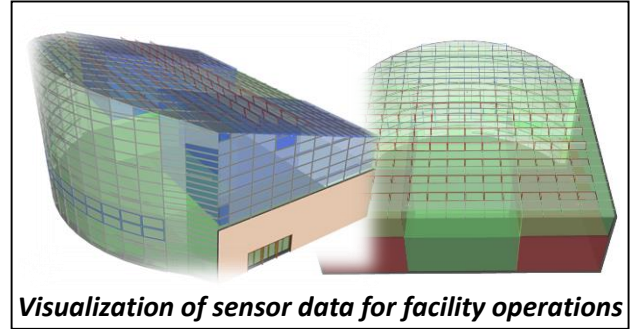
NYU

**POLYTECHNIC SCHOOL
OF ENGINEERING**

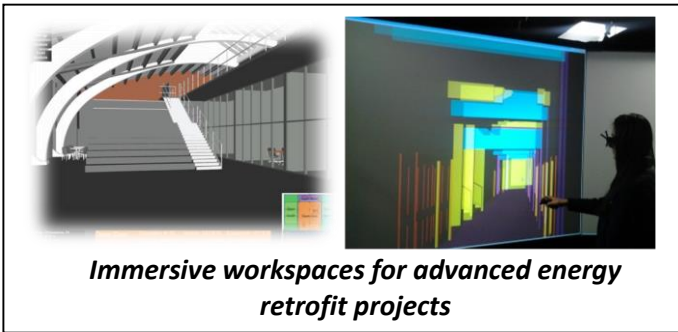
FUTURE
biLAB

FUTURE BUILDING INFORMATICS AND VISUALIZATION LAB (Future biLAB): OPEN POSITIONS

I am an Assistant Professor at Department of Civil and Urban Engineering, NYU School of Engineering. My research interests include infrastructure information modeling and visualization, virtual construction and facilities management, and construction and facility informatics at urban settings. I work on developing information repositories and visualization platforms to better integrate data captured from sensors and reality capture technologies, and the context under which they operate to get a holistic view of the monitored system/ infrastructure and improve the decision making processes in relation to architectural/engineering/ construction and facilities management (AEC/FM) domains.



Visualization of sensor data for facility operations



Immersive workspaces for advanced energy retrofit projects

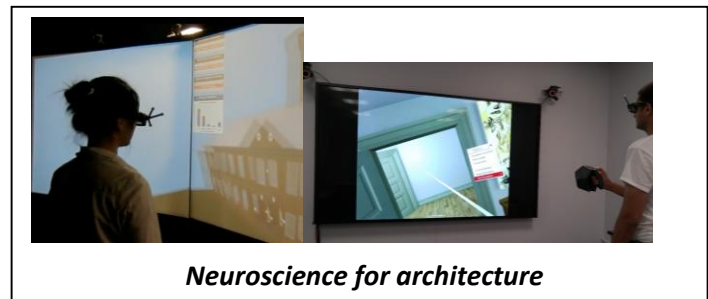
I am an enthusiastic researcher and I work on a variety of decision domains (including AEC/FM and critical infrastructures) to develop domain analysis models that would be foundational for building theories for advanced data analytics.

My lab has **open positions at PhD and Postdoc levels** and I am looking for candidates who are enthusiastic about the built environment and highly motivated to develop and use building information models, virtual models using gaming engines and conducting research at the intersection of building science, data

analytics, behavioral studies and information visualization.



Virtual models for capturing facility operators' behaviors



Neuroscience for architecture

NYU is a highly reputable and a global university with campuses in Abu Dhabi and Shanghai, and provides opportunities for research collaboration with various universities. Polytechnic School of Engineering has the mission to foster invention, innovation and entrepreneurship both in research and education, and provides the right culture, support and resources to turn inspirations into end products. If you hold an MS degree in Civil Engineering or Architecture (and preferably have a minor/MS in programming, CS or software engineering), interested in overall research theme and would like to apply for a PhD degree in Civil and Urban Engineering department at NYU, please contact Prof Semiha Ergan via email: semiha@nyu.edu. For the PostDoc position, candidates will be evaluated based on their fit to the projects. Backgrounds on areas related to Neuroscience are preferred.