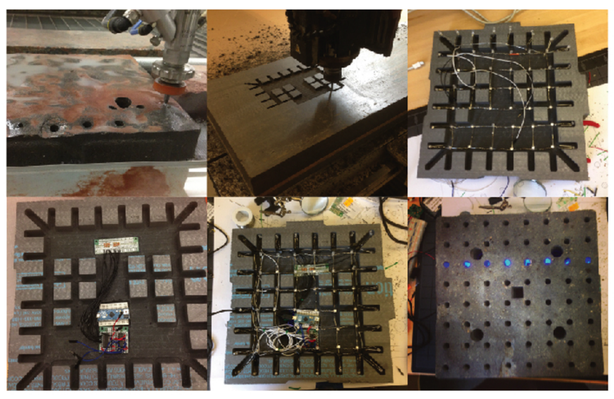
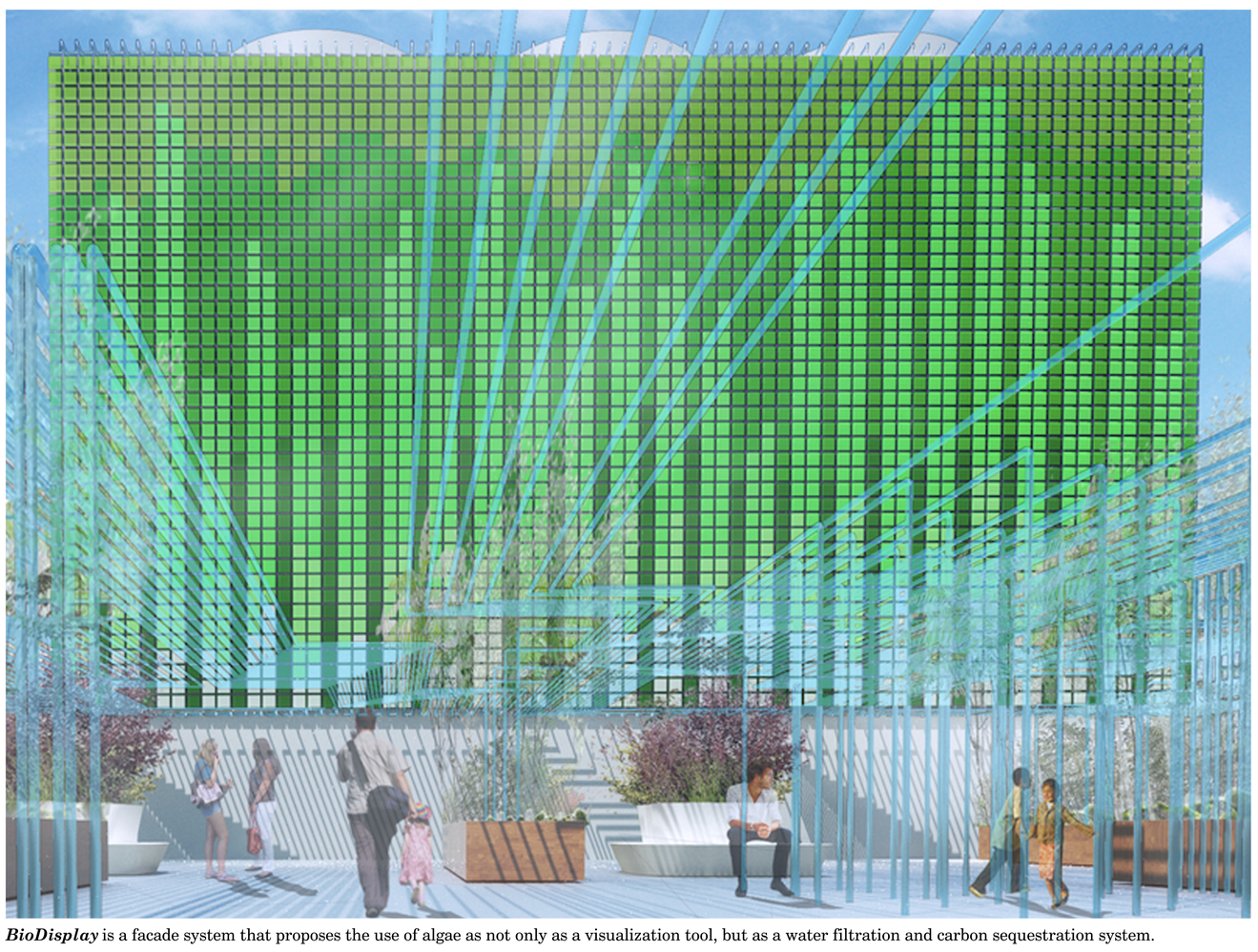
Christopher Chung

Supervisor, RAD-UM
Part-Time Lecturer

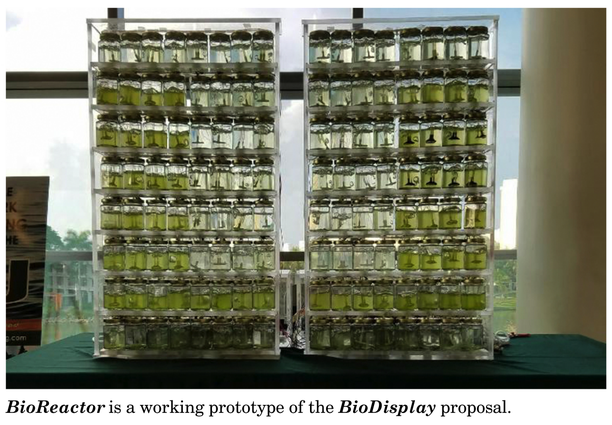
Christopher Chung manages RAD-UM (Responsive Architecture + Design) which is an experimental research lab that provides resources and expertise for project-based research on the spatial ramifications of embedded technology and ubiquitous computing.



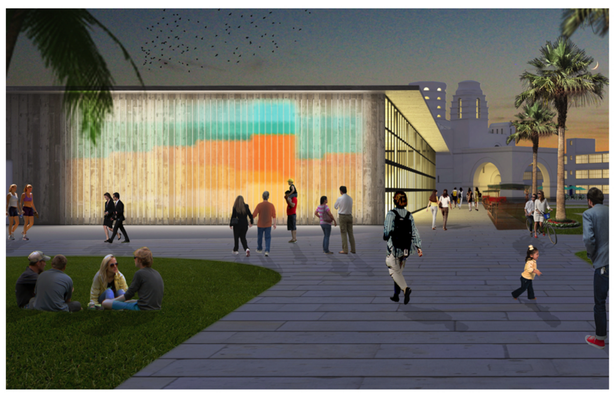
Digital Paver is a prototype of a modular concrete paver retrofitted with a motion sensor, LED's and speakers activating the horizontal plane as a medium to interact with users in the physical and digital domain.



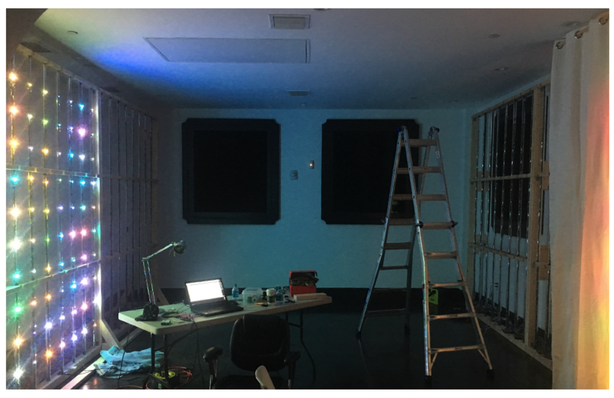
BioDisplay is a facade system that proposes the use of algae as not only as a visualization tool, but as a water filtration and carbon sequestration system.



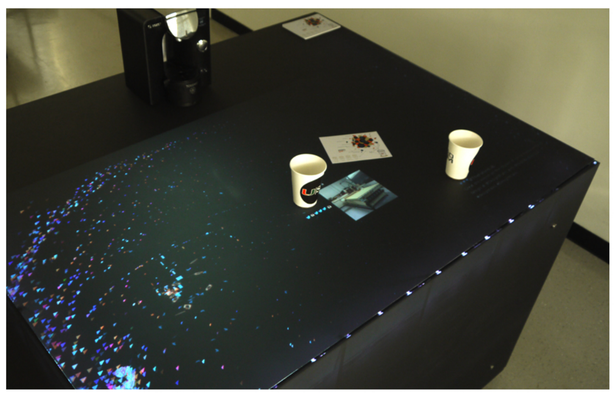
BioReactor is a working prototype of the ***BioDisplay*** proposal.



Soft-Light Display uses resultant rays of light on a surface to create "soft" low-resolution images. Depicted above is an abstract representation of student occupancy on campus updated in real-time.

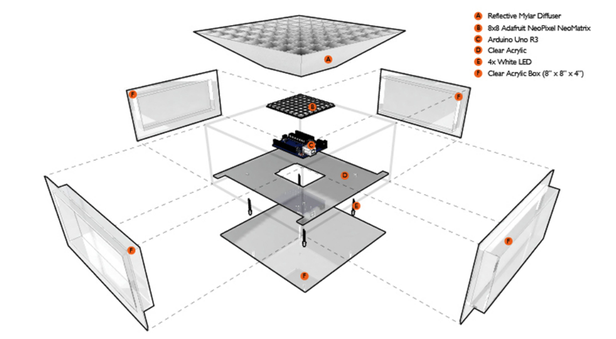


Aurora Room is an immersive and responsive installation addressing the psychological effects of the built environment. Shown above is the testing and development of the installation on-site.



Coff-e-Bar uses the coffee ritual as a catalyst for social interaction, as well as a vehicle for collective engagement with technology. Embedded paper cups enable visitors to visualize and navigate in real-time the stream of information flowing through social media while enjoying some freshly brewed coffee.

Robotic Cloud is a collection of inflatable dynamic mobile shading devices capable of shading one individual or large groups of people across an area.



Superblock proposes to embed LEDs and wireless communication into modular acrylic boxes to form a variable resolution display.

Augmented Reality is used as a tool for research and representation in ARC-586 "Digital Tools in Rome".