Gregory Luhan, AIA is an architect, scholar, and author. He is the Associate Dean for Research and an Associate Professor in the Department of Historic Preservation and the School of Architecture where he teaches digital studio and seminars on design theory, systems thinking, and computing. His academic studies at Princeton University and Virginia Polytechnic Institute have enabled him to receive a thorough theoretical grounding and to define a critical approach to architecture, design, construction, fabrication, and urbanism. He has practiced in some of the leading offices in the profession—Edward Larrabee Barnes, Eisenman Architects, Dwellmay Siegal, and Appert S Gandelsonas. Architects—and continues to forge critical relationships with disciplines outside architecture, most notably engineering, business, and the fine arts.

TEACHING: [STUDIO + SEMINAR]
Professor Luhan’s lesson plans challenge students to see the world in new ways through active observation as a means of enabling architects to discover and define “the built by light”. Rooted in engagement-based, design research that examines the built environment, learning, professional practice, performative architecture, and fabrication, his students work on both theoretical projects and built projects from initial concept to construction administration. Whether at partial or full-scale, this award-winning studio work has been exhibited at international venues.

RESEARCH
Recognized as an emerging voice in the scholarly and design world, Professor Luhan’s research serves the public and academic community through effective engagement, applied learning, and practiced expertise. This combination allows him to participate synchronously at very high degrees of proficiency and across a variety of levels, scales, media, and contexts. His research has preserved and disseminated new knowledge through writing and built projects including the Louisville Guide and LiveLight publications and the LEED Silver-certified Resonance House (the first LEED certified house in the State of Kentucky) and the University of Kentucky’s award-winning s.ky blue solarhouse.

SERVICE
Greg’s service includes: the Editorial Board of the International Journal of Architecture Computing; ACADIA Board of Directors; East Central Regional Director and Board of Directors for ACDA; College-Nominating Committee, Architecture Status of Faculty, and the UK Research Management Group.

RESONANCE HOUSE [2005-2006 design/construction, 2008 LEED-Silver]
151 Old Georgetown Street, Lexington, KY USA (Western Suburb Historic District)
This collaborative College of Design team of architecture, historic preservation, interior design, and engineering students proposed “A volumetric architectural response to public and private lived space that was lived by light.” This generative discourse produced an award-winning, art-to-part, 4400 SF house. Located in an historic district in downtown Lexington, this project required UofL’s Board of Architectural Review. To achieve this standard, the studio separated into three distinct, yet interconnected components: design and detailing, fabrication and assembly, and documentation. This project started construction in June 2005 and was completed in the fall 2006. The Resonance House was certified LEED Silver in August 2008 as the first LEED certified house in the State of Kentucky.

S*KY BLUE SOLARHOUSE [2008 design, 2009 fabrication/exhibition]
Washington, DC (Lexington, KY USA) [2009 Solar Decathlon]
This research-based, residential-scaled project involved over 175 students from four different colleges and sixteen different centers at the University of Kentucky. As communicated by the team’s 9th place finish, 2nd place - People’s Choice Award, 4th place - Public Exhibition, 5th place - net-metering, and its Honorable Mention award, the s.ky blue house successfully demonstrated that the salient aspects of such a design can be both functional and have national and international appeal. Eclectic and syncretistic, historic and modern – the s.ky blue house has quickly become a catalyst for a number of significant projects aimed at bringing solar and sustainability-oriented architecture to the Bluegrass and beyond. The project won an AIA-KY Honor Award for Achievement in Architectural Design in 2012.

TRIANGLE FRATERNITY HOUSE [2011-2012 design]
464 Linden Walk, Lexington, KY USA (UKY Campus)
Since the fall 2010 semester, fifty (50) third-year undergraduate architecture students and thirty-two (32) College of Engineering students have conducted intensive research on energy efficiency and sustainable stewardship. This creative exchange has not only produced a series of iterations of the building, but more importantly has also offered students in these two colleges a synergistic forum in which to cross-pollinate ideas across fields of study. Their collaborative efforts have resulted in an awarded-winning, scalable, and ultra-high performance, Net-zero building. Once constructed, this 25,000 SF prototype will serve as a visible on-campus presence for the Triangle brotherhood of students studying Architecture, Engineering, and Sciences. The project team was recognized with the Cummins Award in 2012.