

The Department of Civil and Environmental Engineering at
the University of Houston presents...

CIVE 6111 Graduate Seminar

The Material Practice of Architecture

Andrew Kudless

William D. Kendall Professor
Gerald D. Hines College of Architecture and Design
University of Houston

Friday, September 3, 2021

2:45pm-3:45pm

Classroom Business Building (CBB) – Room 104

Zoom Link: <https://uh-edu-cougarnet.zoom.us/j/96722168825>

Abstract

Prof. Andrew Kudless will discuss his research and the work of his design practice Matsys. Over the last 10 years, Matsys has worked on a variety of art, design, and architecture projects focusing on the use of new technologies such as parametric modeling and robotic fabrication to facilitate the design and construction of award-winning projects around the world. Inspired by natural systems, Prof. Kudless pursues a design process that attempts to integrate form, fabrication, and performance from the beginning of the project.

Keywords: architecture, biomimetics, computational design, digital fabrication and robotics, design, parametric design



Bio

Andrew Kudless is a designer and artist based in Houston, Texas. In 2004, he founded Matsys, an art & design studio exploring the emergent relationships between architecture, engineering, biology, and computation. The work of Matsys has been exhibited internationally and is in the permanent collections of the San Francisco Museum of Modern Art, the Centre Pompidou in Paris, and the FRAC Centre in Orleans, France. His work on Confluence Park has won a number of awards including a 2019 AIA National Honor Award. In 2019, he became the first American designer to contribute to Louis Vuitton's Objets Nomades collection. Andrew is also a professor of architecture at the University of Houston where he holds the Bill Kendall Memorial Endowed Professorship and he is the Director of the Advanced Media Technology Lab.