



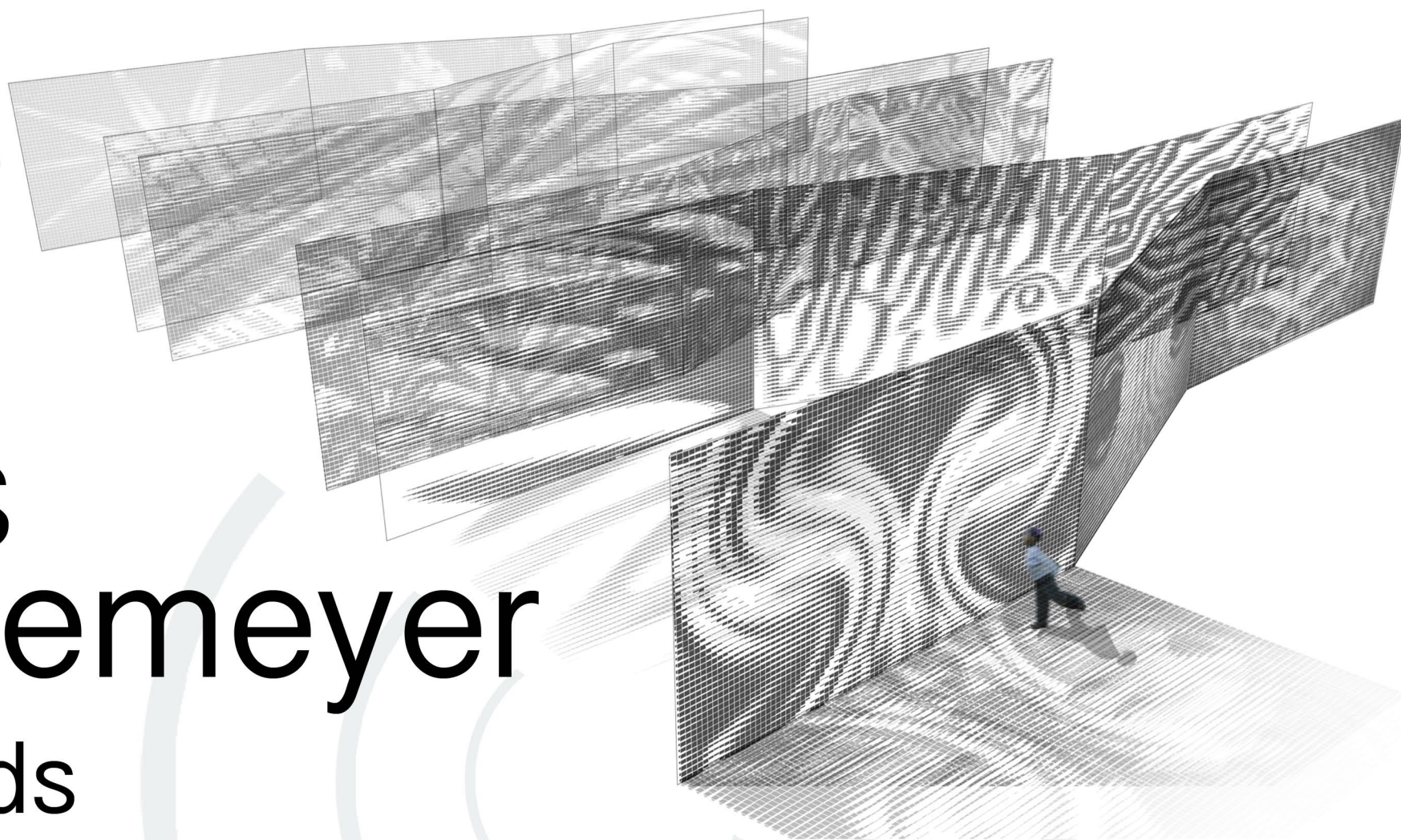
FAU School of Architecture
Fall 2014 Lecture Series

October 29, 4:30pm

Syracuse University

Bess Krietemeyer

“Towards Bioresponsiveness in Architectural Design”



Bess Krietemeyer is an architectural designer and researcher focused on the ways in which emerging material technologies, human behavior, and computational design processes influence the construction of sustainable built environments. Prior to joining the faculty at the School of Architecture at Syracuse University, Bess conducted interdisciplinary design research at the Rensselaer Polytechnic Institute Center for Architecture Science and Ecology (CASE), where she received her Ph.D. in Architectural Sciences. She has practiced with Lubrano Ciavarra Architects and with SOM in New York on the design of international projects in Saudi Arabia, UAE, and China that integrate next-generation building technologies. Bess teaches technical and design courses focused on the integration of building systems, environmental data, and user feedback loops into design processes. Her current research examines the performance of environmentally-responsive building envelopes for increased design variability, human comfort and health, energy performance and individual control. She is developing interactive and immersive simulation environments that allow designers and endusers to participate in the making of multifunctional material behaviors while simultaneously understanding their ecological, spatial, and social implications. She has published and presented this design research in several forums, including installations at the Hendershot Gallery in Manhattan and at the Experimental Media and Performing Arts Center (EMPAC) in Troy, NY, as well as for peer-reviewed journals and conferences, including SmartGeometry, SPIE, Interiors, ACSA, CAADRIA and ACM CHI. A recipient of the ARCC King Medal for Excellence in Architecture, she has recently co-authored book chapters in *Architecture in Formation* and *Inside Smartgeometry: Expanding the Architectural Possibilities of Computational Design*.

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