"Constraint and Control: Towards Autonomous Behavior in the Built Environment"

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Room 3-133

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Abstract
We have persistently held in our periphery the promise of intelligent machines freeing us from the burdens of repetition and monotony in our daily lives; from the need to constantly make simple decisions and take correspondingly simple action. The belief that we can free ourselves by creating more complex systems around us continues to gain momentum as computational power increases and the derivative tools become ubiquitous. As this push evolves from personal devices and networks into more physical and public manifestations within our built environment, we must continue to analyze the effective results and imposed constraints against our intentions and willingness to relinquish control. My work explores the critical mesh point between the individual and the physically adaptive environment. It is a line often blurred by an intimacy of space coupled with the need to indirectly interact with large-scale mechanical interventions.

Bio:
Ziggy Drozdowski - Director of Technology for Hoberman Associates - received his Bachelor of Science in Engineering from The Cooper Union, with concentrations in electrical engineering and acoustics. He studied briefly at the Interactive Telecommunications Program (ITP) of New York University before deciding to pursue his professional career when he joined Hoberman Associates as a core team member in 2004. His background has added a new dimension to the transformable design services that Hoberman Associates offer in the fields of architecture and product design. He has been integral in developing the company's utilization of 3D design tools and computational methods for visualization, simulation, optimization and control. Ziggy serves as lead designer of control automation systems for Hoberman Associates, and has played a role in all substantial projects since he joined the company.