

ISU Architecture Welcomes >

# Adaptive Facades Symposium

Scheman Center, 1st Floor North, Ames, IA

Thursday, April 19, 2018 - 09.00 AM - 06.00 PM

*Save the date*

## Shrikar BHAVE

Design Lead at Transsolar KlimaEngineering, New York  
*Climate Responsive Building Façades– Case Studies*

## Ulrich KNAACK

Professor and Chair, TU Delft & TU Darmstadt  
*Façade Roadmap*

## Lisa RAMMIG

Associate, Eckersley O-Callaghan Engineers, San Francisco  
*Transparency and Innovation*

## Michael SØRENSEN

Partner, Henning Larsen Architecture, Copenhagen  
*Harvesting Daylight*

## Doris SUNG

Associate Professor, University of Southern California  
Founding Principle, DOSU Studio Architecture  
*Taming Smart Materials to Behave*

### ADAPTIVE FACADES

Building facades, like the human skin, have to mediate a large variety of external parameters and conditions, such as sun, heat, wind, water. Facades' which can change according to these conditions based on their material, mechanical or kinetic properties have been an architect's dream for many decades. Like the lens of the camera or eye these façade should be able to adapt to changing external or internal conditions. Material development, digital manufacturing and computational advances in respect to parametric environmental building performance modeling have advanced thus far, that adaptive facades are the current and future innovations constructed to mediate, sun, light and heat to provide more energy efficiency, more comfort, more conceptual freedom and more opportunities for occupants to adjust their environment to their individual requirements.

### CONVENERS

Deborah Hauptmann | [deborah@iastate.edu](mailto:deborah@iastate.edu)  
*Chair and Professor of Architecture*  
Ulrike Passe | [upasse@iastate.edu](mailto:upasse@iastate.edu)  
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*Assistant Professor of Architecture*

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