

UMass 2008 Wood Structures Symposium and 2008 ACSA Northeast Fall Conference

September 25 - 27, 2008 · UMass Campus Center, Amherst, MA

THURSDAY, 4:00-6:00pm

Symposium Welcome

Keynotes (Sponsored by [The Environmental Institute](#), UMass):

“Five Houses: Sustainability Redefined”
Stephen Kieran, FAIA, Architect and Author

“Adventures in Prefabrication”
Tedd Benson, Builder and Author

THURSDAY, 6:00-8:00pm

Reception

10th Floor of Campus Center

SESSION I, FRIDAY, 8:30-10:00

I-A: Teaching/Pedagogy 1

Jane Murphy	Ohio State University	FABHouse Studio
Bruce Wrightsman	Montana State University	Prefab_Lab
James Middlebrook	Smith College	Lessons Learned from the Limited Design-Build Exercise

I-B: Affordability/Recovery 1

Laura Garofalo and David Hill	University At Buffalo, SUNY and North Carolina State University	Prefabricated Recovery:
Ryan E. Smith	University of Utah	Prefabrication in Developing Countries: A Case Study of India

I-C: History/Theory 1

Paul J. Armstrong	University of Illinois, Urbana-Champaign	From Bauhaus to M[ouse] House: The Concept of the Ready-Made and the Kit-Built House
Kihong Ku	Virginia Tech	Towards Digitally-Mediated Prefabrication Approaches for Customized Housing

SESSION II, FRIDAY, 10:30-12:00		
II-A: Teaching/Pedagogy 2		
Dana Gulling	University of New Mexico	Prefabrication as the Comprehensive Studio
Ryan E. Smith	University of Utah	Assembling Architecture Studio
Peter A. Schneider	University of Colorado	TrailerWrap: Reconstructing Home
II-B: Affordability/Recovery 2		
Blake Williams	UMass Amherst	Cypress Shelter
David Hinson and Frederick S. Norman	Auburn University	DESIGNhabitat 2: Studies in Prefab Affordable Housing
II-C History/Theory 2		
Matthew Fisher	Iowa State University	Prefabrication and the Post-War House: the California project
Erik M. Hemingway	University of Illinois, Urbana-Champaign	mundane[UPGRADE]1:2
Fredrick H. Zal	Atelier Z	Pre.Fab: Myth, Hype + Reality

SESSION III, FRIDAY, 1:00-2:30		
III-A Teaching, in collaboration with Industry		
Wanda Dye	University of Texas at Arlington	CHILIS NOW: Rethinking the Global Franchise Prototype
Tricia A. Stuth	University of Tennessee	RE:PLACE - contextual prefabricated structures and the infill of existing communities
Michael D Gibson	Ball State University	Construction Critical: Technology and Experiment in Designer-Manufacturer Collaboration
III-B Japanese Technologies		
Ryan E. Smith	University of Utah	Lean Architecture: Toyota Homes
Dana Buntrock	University of California, Berkeley	Arch 264: Off-Site Fabrication
Linda Brock	University of British Columbia	The Prefabricated and Mobile House: What Can We Learn from Japan?
III-C History/Theory 3		
Michael J. Crosbie	University of Hartford	Making Connections: Innovative Integration of Utilities in Panelized Housing Design
Santiago R. Perez	University of Houston	EFAB-Environmental Fabrications: Towards a Confluence of Craft & Computing in Prefabricated Component Design
Paul J. Armstrong	University of Illinois, Urbana-Champaign	Transforming the Invisible Hand: Redefining the Machine-Made House

SESSION IV, FRIDAY, 3:00-4:30		
IV-A: Teaching/Pedagogy 2		
Nathan Howe	Kansas State University	A Studio's Multi-Exploration of the Prefabricated Dwelling
Daniel I. Vieyra	Kent State University	"Back to the Future" or the "Machine in the Garden" – The Airstream Studio
IV-B: Practice/Production 1		
Aleksandr Mergold	Cornell University	HAUS (Home-making: an Augmented Utilities System)
Peter H. Wiederspahn	Northeastern University	e3Co System: Ecological Comprehensive Component Construction System
IV-C: History/Theory 4		
Michael O'Brien	Virginia Tech	Aesthetic and Production Theories as Enablers of Prefabricated Housing
Stanley R. Russell	University of South Florida	Metabolism Revisited : Prefabrication and Modularity in 21st century Urbanism
Kimberly Elman Zarecor	Iowa State University	The Rainbow Edges: The Legacy of Communist Mass Housing and the Colorful Future of Czech Cities

FRIDAY, 4:40-5:40
<p><i>Evening Keynote</i></p> <p>"Process and Product"</p> <p>Kathleen Lugosch, Lugosch Architects</p>

SATURDAY, 8:30-9:00
<p><i>Morning Keynote</i></p> <p>"Modular Architecture"</p> <p>David Wrocklage, Epoch Homes</p>

SESSION V, SATURDAY, 9:00-10:30		
V-A: Teaching, outreach/interdisciplinary		
Lisa D. Iulo	Pennsylvania State University	Hybrid Prefabrication: prototypes for green residential construction
Lisa D. Iulo	Pennsylvania State University	Confronting the Hitch: Prefab in the Classroom - respecting roles, ideas, and each other
John Quale	University of Virginia	Sustainable, Affordable, Prefab: a design / build / evaluation project
V-B: Practice/Production 2		
Luis Eduardo Boza	Catholic University of America	Parametrics, Performance and (Pre)Fabrication
David Celento	Pennsylvania State University	Urban Dwellings for the Digital Nomad
Kristina H Yu	University of New Mexico	Prototype in Manufactured Housing with SIPs
V-C: Materials 1		
Phillip Anzalone	Columbia University	Crafty Detailing
Jason Chandler	Florida International University	Bernard Tschumi's Pre-cast Concrete: Tradition and Innovation
Jack R. Elliott	Cornell University	Roundwood geodesics: New takes on Architectural DfD

SESSION VI, SATURDAY, 11:00-12:00		
VI-A: New Technologies		
David Hill	North Carolina State University	Morpheme House System
Kramer Woodard	University of New Mexico	Threading the Needle
VI-B: Special Session		
Jason Tuttle	Ilevel by Weyerhaeuser	Designing Residential Tall Walls with Engineered Lumber
Brice Hereford	FastenMaster	Structural Fasteners in Wood-to-Wood Connections

SATURDAY, 12:00-1:00

Lunch Keynote

"Mass Customization"

Jay Eli, Empyrean International's Design Partnership

Complimentary Lunch / Exhibit Booths

SATURDAY, 2:00-4:00pm

Reception

Smith College Art Museum, in conjunction with opening of "Bauhaus Modern" exhibit