



2006 Building Technology Educators' Symposium Program

University of Maryland — School of Architecture, Planning and Preservation — College Park, Maryland

Thursday, August 3, 2006

3:00 - 6:00 PM	<p>Check - In for lodging at the dormitories - Annapolis Hall Registration Check - In for conference - School of Architecture, Planning and Preservation building — Main lobby, lower level</p>
6:00 PM (1:30) (See note 1 on reverse)	<p>Keynote Address - Auditorium (AIA/CES No. 001) (See note 2 on reverse) Welcome - Dean Garth Rockcastle, University of Maryland Introduction - Deborah Oakley & Ryan Smith, Symposium Co-Chairs Address: Edward Allen, <i>The Essence of Building Technology</i></p>
7:30 PM (1:30)	<p>Opening Dinner - Adele's Restaurant, Stamp Student Union (Attendees will walk together to the restaurant which will serve buffet style)</p>

Friday, August 4, 2006 (See note 3 on reverse)

8:30 AM (1:45)	<p>Session 1A - Classroom 1105 (AIA/CES No. 006) Kirk Martini, <i>A New Kind of Software for Teaching Structural Behavior and Design (40 minute workshop)</i> Michele Chiuini, <i>Less is More: Design-Oriented Approach to Teaching Structures in Architecture</i> Shahin Vassigh & Kenneth MacKay, <i>Building Literacy: The Integration of Building Technology and Design in an Architecture Curriculum</i> Discussion</p>	<p>Session 1B - Auditorium Paul Zorr, <i>Recycled Walls: Materials and Methods Project</i> Jason Chandler, <i>Mechanisms of Surface: Wall Section Model</i> Irena Wasserman, <i>Ecological Aspects of Teaching Historical Building Technology in an Architectural Preservation Curriculum</i> Craig Griffen, <i>Teaching Construction Details with Color</i> Discussion</p>
10:15 AM (0:25)	BREAK	
10:40 AM (1:45)	<p>Session 2 (Plenary) - Case Study Method - Auditorium (AIA/CES No. 004) Jonathan Ochshorn, <i>Designing Building Failures</i> Tom Brock, <i>Updating the Mesian Curriculum</i> Terri Meyer Boake, <i>"Do You Own a Hardhat and Safety Boots?": Maximizing Potential Learning through Construction Case Studies</i> D.Thaddeus, <i>Structural Steel Survey and Education Tool</i> Discussion</p>	
12:25 PM (1:15)	LUNCH — Great Space	
1:40 PM (1:30)	<p>Session 3A - Classroom 1105 Fredrick Zal, <i>Empathic Vectors</i> Edgar Stach, <i>The Art of Structure: The Structure of Art</i> Edward Allen, <i>Graphic Statics</i> Discussion</p>	<p>Session 3B - Auditorium (AIA/CES No. 007) Robert Arens & James Doerfler, <i>XYZ: Horizontal Vertical and Progressive Integration in the Practice Curriculum</i> BarryYatt, <i>Why Brick? A Theoretical Basis for Designing Construction</i> Gil Snyder, James Dicker, & Marit Gamberg, <i>Indigenous Knowledge, Formal Knowledge and Technology Teaching</i> Discussion</p>
3:10 PM (0:20)	BREAK	
3:30 PM (1:30)	<p>Session 4 (Plenary) - Building Information Modeling - Auditorium (AIA/CES No. 008) Kathrina Simonen, <i>Digital Technology is Now Building Technology</i> Mike Christenson, <i>Capabilities and Limitations of Revit in a Construction Technology Course</i> Christopher Livingston, <i>Building [Understanding]: A Systems Approach to Building Information Modeling</i> Panel Discussion</p>	
5:00 PM (0:20)	BREAK	
5:30 PM (1:30)	<p>Keynote Address - Auditorium (AIA/CES No. 002) Joseph G. Burns, P.E., S.E., AIA, Thronton-Tomasetti Structural Engineers, Chicago, Illinois, <i>BIM Applications in Architectural Education</i></p>	
7:00 PM (3:30)	Free Night / Evening Bus Trip to Washington D.C. (See note 4 on reverse)	



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Saturday, August 5, 2006

8:30 AM (1:30)	Session 5A - Auditorium (AIA/CES No. 003) Vincent Hui , <i>Bridging to Convergence: Multidisciplinary Dillmea of Beginning Architecture Students</i> Kenneth MacKay & Shahin Vassigh , <i>Daylight Models, Pattern Development & Structure</i> Tom Leslie & Jason Alread , <i>Push/Pull: Bringing Technology and Design Together at Iowa State</i> Discussion	Session 5B - Classroom 1105 Bruce Wrightsman , <i>Developing an Ethos of Making</i> Kathrina Simonen , <i>Building Skin: Designing at Full-Scale</i> Edgar Stach , <i>Pattern in Architecture: Explorations of the Digital Modeling & Fabrication Lab</i> Discussion
10:00 AM (0:30)	BREAK	
10:30 AM (1:45)	Session 6 (Plenary) - Teaching Tools - Auditorium Christine Theodoropoulos , <i>Seismic Design Education in U.S. Schools of Architecture</i> Ryan Smith , <i>Specifications and Cost in Architectural Education</i> Deborah Oakley , <i>Two-Way Structures: Personal Response Devices in Large-Format Structures Lectures</i> Diane Armpriest , <i>Engaging Students in the Lecture Classroom</i> Discussion	
12:15 PM (1:15)	LUNCH — Great Space	
1:30 PM (1:45)	Session 7A - Classroom 1105 Ivan Markov , <i>Structural Harmony and Model Discourse</i> Bruce Lonman , <i>Case Studies in Studio-Based Learning</i> Dana Gulling , <i>Architect as Form-maker: A Fundamental Approach to Architectural Structures</i> Robert Dermody , <i>A Different Kind of Structures Problem</i> Discussion	Session 7B - Auditorium (AIA/CES No. 010) Jason Alread , <i>Design-Build as Technology Coursework</i> Mat Taylor & T.Duff Bangs , <i>WSU Solar Decathlon - Design/Build Lessons</i> Phil Gallegos , <i>Structural Education in Design Build Studios: Questions of Practicality of Student Design Build Projects</i> Jori Erdman , <i>Hands-On: The Pedagogy of Design/Build</i> Discussion
3:15 PM (0:30)	BREAK	
3:45 PM (1:45)	Session 8A - Classroom 1105 Deborah Oakley , <i>Haptic Structures: The Roll of Kinesthetic Experience in Structures Education</i> Patrick Tripeny , <i>Structural Labs Discussion</i> Andrea Swartz , <i>Designing Structures: 4 Exercises Integrating Fundamental Structural Issues</i> Discussion	Session 8B - Auditorium (AIA/CES No. 011) Linda Brock , <i>Teaching Building Science as Part of Building Technology</i> Ulrich Dangel , <i>Building Skins - Design Strategies for Architecture Students</i> Donald Hunsicker, Michael Fiorillo, Joshua Burdick, & Laura Marrero , <i>Green Roof Design Workshop: A Teaching Model for Connecting Technology to Design (40 minute workshop)</i> Discussion
5:30 PM (0:30)	BREAK	
5:45 PM (1:15)	Organization Meeting - Auditorium Deborah Oakley & Ryan Smith, Moderators	
7:00 PM (1:30)	Closing Banquet — Great Space	

- Notes:**
- 1) Times listed in parentheses are the duration of each event
 - 2) AIA/CES numbers cross reference to the "AIA/CES Conference Program Participation Form C-1" for those who are seeking continuing education credits.
 - 3) Coffee, juice and muffins will be available in the Architecture building beginning at 8:00 AM each morning.
Please visit one of the local College Park restaurants if you would like a more substantial breakfast.
 - 4) Bus to Washington, D.C. will leave depart from and return to the Architecture Building. Drop-off and pick up point in D.C. will be at the Smithsonian Museum of Natural History.
Bus will depart College Park at 7:00 P.M. and will leave D.C. at 10:30 P.M.