

SYMPOSIUM: INTEGRATED PROJECT DELIVERY (IPD): PRINCIPLES, VALUE, METHODS

October 13, 2009: 9:30am – 6:00pm

UNC Charlotte School of Architecture, Storrs Hall

“IPD: Principles, Value, Methods” challenges the design, construction, and legal professions to address the theory and practice of Integrated Project Delivery. IPD will be examined from distinct perspectives by four different professionals working in the design and built environment. Each perspective will illustrate unique experiences, opportunities, questions, and dilemmas about IPD, as well as indicate how collaboration among associated professionals is required to ensure successful project delivery and owner value.

9:30am Registration and Coffee

10:00am Welcome and Introductions

10:20am **Chuck Eastman**

IPD History and Future; how is computing technology incorporated into the design and construction of buildings; how will BIM revolutionize the delivery of design and construction?

11:30am **Dale Brentrup, AIA**

IPD in Education; what are research and partnership opportunities in IPD in academia; how is integrated building design explored and practiced in the School of Architecture at UNCC?

12:00pm Lunch

12:40pm **Phil Harrison, AIA**

IPD in Architectural Practice; how does IPD lead to and improve design excellence and sustainability; how does IPD affect the design process; what is the impact on the firm?

2:00pm **Dick Josephson**

IPD in Construction Practice; how does IPD affect the construction process; how does it influence construction scheduling and cost; what impact does it have on the company?

2:55pm Break

3:05pm **David Hamilton**

IPD in the Legal Profession; is design liability expanded; who has ownership of electronic documents; what is the impact on contractual agreements; what are the legal pitfalls?

4:00pm **Panel Discussion**

Moderated by Chris Jarrett; questions from respondents and from the audience including those collected on note cards

5:00pm **Reception**

SPEAKERS

Charles (Chuck) Eastman: Professor, College of Architecture, Georgia Institute of Technology

Chuck Eastman is the author of *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors*. He holds a joint appointment in the College of Architecture and the College of Computing at the Georgia Institute of Technology. Professor Eastman's teaching and research is centered on building information modeling, solids and parametric modeling, engineering databases and product models and interoperability. His building information modeling research is geared towards the development of strong parametric modeling systems for design and fabrication in the construction industry.

Dale Brentrup: Professor, School of Architecture, University of North Carolina Charlotte

Dale Brentrup is Director of the Center for Integrated Building Design Research in the School of Architecture at UNCC. He is also Head of the Daylighting + Energy Performance Laboratory, an applied research unit dedicated to the advancement of applied knowledge through specific study of architectural energy systems and lighting technology research. The lab utilizes a custom-built uniform sky simulator (CIE standard) and a computer-controlled heliodon to automate movement of the sun. Brentrup teaches courses in building technology and sustainable design.

Phil Harrison: President and Chief Executive Officer, Perkins+Will

Phil Harrison is responsible for Perkins+Will's strategic focus and business performance. As President and Chief Executive Officer, he is directly involved with the firm's quality initiatives including design excellence, sustainability, and technical delivery. He oversees firm growth, diversification and development, and he defines the firm's business objectives for performance, collaborative operations and staff development. With over one thousand LEED-accredited staff members, Perkins+Will is a global leader in sustainable, high-performance, integrated project design.

Dick Josephson: Vice-President Pre-Construction Services, Rodgers Builders

Dick Josephson is Senior Vice President of Rodgers Builders in Charlotte. In his 36 years of construction experience he has concentrations in design/build, construction management, healthcare facilities, and senior living facilities. Josephson's past eleven years at Rodgers Builders has been focused around preconstruction services, senior living project management, integrated project delivery program and lean construction initiatives. Josephson is a member of AIA (associate), CSI, ASHE (certification), and LCI (Lean Construction Institute).

David B. Hamilton: Hamilton Moon Stephens Steele & Martin, PLLC Attorneys at Law

David Hamilton is an Attorney who practices in areas ranging from General Civil, Business, Commercial and Construction Litigation, and Mediation to Arbitration. Hamilton is directly involved with all entities involved in the construction arena including owners, design professionals, contractors, and sureties to provide counsel throughout the construction practice, and representation in disputes in both courts and alternative forums such as arbitrations. Hamilton is listed in North Carolina Super Lawyers; Best Lawyers in America; Legal Elite, Certified Mediator, and the American Arbitration Association.

MODERATOR

Christopher Jarrett, Director, School of Architecture, University of North Carolina Charlotte

Chris Jarrett is an architect and educator with a research focus in green building. Prior to joining UNCC, he was PI for Georgia Tech's entry in the 2007 US-DOE Solar Decathlon Project, leading a 100-person interdisciplinary student and faculty team from the Colleges of Architecture, Engineering, Management, and Sciences. Georgia Tech's Solar Decathlon House received the BP Solar Award for Innovation and an AIA/Atlanta COTE Award.