



DCA Conference 2014 Detailed Schedule (with Paper Schedule by Session Topic and Paper Title)

Host School: Department of Architecture | Southern Polytechnic State University

Wednesday, October 01, 2014



11:00 - 1:00: Workshop presenters meet with SPSU DCA organizers for prep and lunch. Arch Bldg-N
1:00 - 6:00 Registration Arch Bldg-N

1:30 - 4:30: 6 Workshops (workshops are free for DCA registered participants/sign-up required) N & I Bldg

Workshop 01: Freehand Drawing with Francis D.K. Ching (distinguished author)

Workshop 02: Digital Sketching with So-Yeon Yoon (Cornell University)

Workshop 03: Site Analysis with E. Tim White (Florida A&M University)

Workshop 04: Shades of Gray Water Color Workshop with Henry Sorenson (Montana State University)

Workshop 05: Wacom Digital Combined with Freehand Rendering with Peili Wang (SCAD)

Workshop 06: Rhino 3D Modeling and Subdivision Geometry with Gernot Riether (SPSU)

5:00 Welcome. DCA SPSU Organizers, Architecture Chair and Dean address D2 Auditorium

Keynote: Matthias Hollwich, New York

Followed by Reception & Hors D'oeuvres

Dinner on your own

Thursday, October 02, 2014

8:00 - 8:30 Conference Open - Coffee

8:30 - 9:30 Keynote: Todd Bertsch | *Director of Design, HOK, Atlanta*

D2 Auditorium

Paper Sessions A1, A2, A3: 9:45 - 11:00

Session A1. Digital Exploration: Virtual Reality & Communication Moderator: **Tim Frank**, SPSU

• Expanding the Limits of VR Simulation: Perceptual Engagement through Immersive Simulation
Antonietta Angulo, Ball State University

• The Effect of Virtual Reality and Augmented Reality in the Design Process
Tilanka Chandrasekera, Oklahoma State University, So-Yeon Yoon, Cornell University

• Interactive Environments: A New Spatial Dialogue
Michael Gonzales & Meg Jackson, University of Houston

• Immersive Environment Communicates the Design Drawing Learning Process
Carrie Vielle, Washington State University

Session A2. Design & Graphic Application: Graphic & Rep. Techniques Moderator: **Bradley Walters**, U of Florida

• Perspective as a Method of Engaging Critical Thinking.
Robert Krikac (Washington State University), Dana Vaux (University of Nebraska, Kearney), Kathleen Ryan (Washington State University)

• Beyond Photo-realism: The Art and Science of Digital Rendering with Vue.
Timothy P. Johnson, Penn State

• Freehand Visual Presentation - Ink Watercolor
Peili Wang, Savannah College of Art and Design-Atlanta

• A Logic of Learning to Draw.
Stephen Temple, University of Texas San Antonio

Session A3. Urban/Community Moderator: **Mine Hashas**, SPSU

• Foodspace: Communicating Physical Traces and Spatial Constructs
Rebecca O'Neal Dagg, Auburn University

• Urbaninguistics: Creation of the City Codex of Conjunctions
Alyson Silva, University of Florida

• Charrette Graphics: Old and New Schools of Quick Visual thinking.
Simon Bussiere, Harry A. Eggink, Ball State University

• The urban model as the hub towards the sustainable university campus.
B. Piga, E. Morello, V. Signorelli, Politecnico di Milano, Italy

• Beyond The Boundary in the Cityscape of Dhaka, The Boundary Wall.
Sumaya Islam, American International University-Bangladesh

11:00 - 11:15 Coffee Break



Paper Sessions B1, B2, B3: 11:15 – 12:30

Session B1. Digital Exploration: Virtual Reality & Communication Moderator: **Tim Johnson**, Penn State

- FaceSpace: Social Media's Influence on Public Art & Design (Virtual Reality & Communication)
Román Montoto, University of Idaho
- My Body: My Temple, an Augmented Reality Design Process.
Rebecca Heavner, University of Colorado, Denver
- An Approach to Promoting the Ethnically Diverse Artists' Works from the Culturally Rich Underserved Regions by Developing a Virtual Museum
Habibur Rahman, Claflin University
- Embracing the pictorial turn: Time-based explorations in communicating design research.
Amy Huber, Florida State University

Session B2. Communication & Design Education Moderator: **Ed Akins**, SPSU

- Computation and Composition.
Dave Lee, Clemson University
- Development of an Introductory Course in an Architecture Program.
Murat Şahin, Özyeğin University, İstanbul, Turkey
- Learning Solar Geometry by Drawing and Modeling.
Bronne Dytoc, Southern Polytechnic State University
- Creativity and Idea Generation for the Design Communication Process.
Thomas Lesko, Wentworth Institute of Technology

Session B3. Observation Representation: Dwg and Sketching in Design Education Mod: **Francis D. K. Ching**

- forward ever_backward never avoiding hesitance to foster confidence.
Brian Dougan, American University of Sharjah, United Arab Emirates
- Drawing from Experience: The Value of Study Abroad to Design Education.
Jerry L. Stivers, Oklahoma State University
- Observational Drawing: Creating a Graphic Palimpsest of the Mind.
Matthew T. Brehm, University of Idaho
- Ticked in Tecolutla—Image and Story.
Henry E. Sorenson, Jr., Montana State University

Meet in Architecture-N Gallery for **Lunch & Bus Tour**.

1:00 – 2:00. Box Lunch on Bus & Atlanta Highlights (bus leaves from N-Bldg)

3:00 – 5:00 High Museum

5:30 – 7:00 PM Reception at Perkins & Will

Bus leaves for hotel around 8:00 PM.

Dinner on your own



Friday, October 03, 2014

8:00 Conference Opens - Coffee

Paper Sessions C1, C2, C3: 8:30 – 9:45

Session C1. Digital Exploration: Visualization, Education, BIM Moderator: **Chris Welty**, SPSU

- Building Information Modeling - Case Study
Mauro Buffa and Chuck Eastman, GA Tech
- Architectural knowledge management and digital tools: a step for a proposal-Digital models and knowledge
Housseem Eddine MNEJJA, Temy TIDAFI, Université de Montréal, Canada
- Revit as a Creative Medium?
Jeanne Homer, Oklahoma State University
- Smart Lab Using BIM and QR Code.
Pavan Miadati and Mahmoodha Jagabar Sathick, SPSU



Session C2. Communication & Design Education: Studio Context Moderator: **Tom Lesko**, Wentworth Inst.

- Covered / Uncovered: Site research within architecture studios.
Ed Akins, Southern Polytechnic State University
- Axonometric: Strategies for the Capstone Studio Setting.
Genevieve Baudoin, Kansas State University
- Place and Its Discovery through Embodied Representation.
Zuzanna Karczewska, Montana State University
- Changing Scales: Spatial Design Visualization and Experiential Learning Strategies.
Elizabeth Pober, University of Oklahoma

Session C3. Investigation & Representation Moderator: **Michael Carrol**, SPSU

- "Unorthodox orthographies": projective deregulation for depicting time from Le Corbusier to OMA.
Fobio Collonnese, Sapienza University of Rome
- Un-earthing Eisenman: Deep Interiority and Present Absence in the work of architect.
Rebecca O'Neal Dagg, Auburn University
- On Process Drawings: studying sketches of Mario Botta.
Arief Setiawan, Southern Polytechnic State University
- The Artist Inside Me.
Faredah Mohsen alMurahhem, Umm alQura University, Saudi Arabia

9:45- 10:00 Coffee Break



Paper Sessions D1, D2, D3, D4: 10:00 – 11:15

Session D1. Digital Exploration: Parametric Modeling Moderator: **Gernot Riether**, SPSU

- The Parametric Palimpsest of the Building Skin.
Aaron Paul Brakke, Universidad Piloto de Colombia
- Inductive Programming: Designing Activities and Space with 4D Parametric Modeling.
Michael Everts, Montana State University
- Digital Palimpsest in Parametric Design Environment: A Pedagogical Experiment.
Jean-Pierre Goulette and Sandra Marques, École Nationale Supérieure d'Architecture (ENSA) de Toulouse, France
- Lost in Translation or Mediating the Medium: Axioms for New Visual/Digital Practices.
Joern Langhorst, University of Colorado Denver

Session D2. Communication & Design Education: Studio Context Moderator: **Henry Sorenson**, Montana State

- Word | Image.
Margaret Fletcher, Auburn University
- Interrogating Spatial Perceptions.
Lisa Huang, University of Florida
- On Translations: notes on the use of drawings and models in the design process.
Arief Setiawan, Southern Polytechnic State University
- Here be Dragons: On the Value of Incompleteness in Drawing.
Bradley Walters, University of Florida

Session D3. Media Convergence- Methods & Exploration Moderator: **Ameen Farooq**, SPSU

- The Rhetoric of Designing Graphic Displays Combining Text and Images.
Richard Hoag, David Smit, Kansas State University
 - Exploring Architectural Grammar: Landscape Literacy.
Allison Hennie, University of Memphis
 - Tornado's, Treehouses and the Tropics: The Embodied Cognition of Drawing to Building.
Jon Daniel Davey, Southern Illinois University
- A comparison between Multi-Media Instructions and Written Instructions in Teaching Computer Aided Design
- Hussein Abaza, SPSU and Jacqueline F. Stephens, Westwood College

Session D4. Visualization, Analysis, and Interpretation Moderator: **Pegah Zamani**, SPSU

- Visualizing Tectonics: the Heavy and the Light.
Genevieve Baudoin, Kansas State University
- Towards Evocative, Thematic Design Dossiers.
Jack Breen, TU Delft, The Netherlands
- 64 Wakefield: Tips on House Design Formalized.
Jeffrey Collins and Athanassios Economou, GA Tech

11:30 - 12:30 Business Meeting (open to all DCA registered participants)

12:45 - 1:45 Buffet Lunch – N-Gallery.

2:00 – 3:00 Keynote: Michael Webb of Archigram D2 Auditorium

Paper Sessions E1, E2, E3, E4: 3:00 – 4:15

Session E1. Digital Exploration: Methods and Application Moderator: **TBA**

- Digital Joinery: Representational Techniques in the Absence of Space.
Stephen Belton, Lee-Su Huang, University of Florida
- Laser Scanning the Aiken-Rhett Historic Parlors for Multi-Modal Documentation and Interpretation.
Amalia Leifeste, Katherine Pemberton, Mark Scara and Jay White, Clemson University
- Jivā: Computing the living.
Parantap Bhatt and Jayant Khanuja, CEPT University, Synth lab, Mississauga, Canada
- Focus Devices in Hybrid Data: Usefulness in Design Thinking and Communication.
Rob Snyder, Bentley Systems, Mark O'Bryan, University of Kentucky, Hugo Mulder, IT University Copenhagen, and Stéphane Côté, Bentley Systems

Session E2. Visualization, Analysis, and Interpretation Moderator: **Jack Breen**, TU Delft

- Education in Architectural Analysis through Hybrid Graphical Means: a Setup for Critical Thinking.
Denis Derycke, David Lo Buglio, Université Libre de Bruxelles (ULB) – Belgium
- Generate Spatial Form from Visualization and Analysis.
Wang Li, Mingxue Huang, Jin Feng, Lawrence Technological University
- Drawing Formal Massing Studies as *archiMedia* in AFConline.
Eric Ingler, University of Cincinnati
- Slowing Down 'High-Speed' Digital Drawing Tools: Heuristic Techniques through Multiplicity, Seriality, and Reversibility.
Tim Frank, Southern Polytechnic State University

Session E3. Media Convergence: Manual/Tactile/Digital Moderator : **Román Montoto**, University of Idaho

- An Iterative Palimpsest: Testing algorithms as a vehicle for new complexities and patterns in composition.
Lohren Deeg and Rochelle Jansing, Ball State University
 - Rule-Based Palimpsests.
Dustin Headley, Kansas State University
 - Modeling Beyond Representation and Communication: Teaching Novice Designers to use Physical Architectural Models for Creative Purposes.
Michael McGlynn, Kansas State University/Martin Stellingwerff, TU Delft, The Netherlands
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Session F1. Digital Exploration: Tools and Application Moderator: **Dustin Headley**, Kansas State University

- Simulation and optimisation of the light shelf system in hot and arid zones.
Safa Daich, Saadi Mohamed Yacine, Zemmouri Nouredine, Science and Technology, Biskra, Algeria
- 3D Simulation Game for Concrete Formwork.
Pavan Miadati and Jon A Preston, SPSU
- Development and validation of Tool for the design of day lighting indoor space.
Saadi Mohamed Yacine, Daich Safa, Zemmouri Nouredine, Daiche Ahmed Motie, Department of Architecture, Science and Technology, Biskra, Algeria

Session F2. Media Convergence: Manual/Tactile/Digital Moderator: **Meg Jackson**, U of Houston

- Drawings for Thinking/Working and Making.
Michael Carrol, Southern Polytechnic State University
- Hybrid Palimpsest: Fusing Analog and Digital Modes of Drawing.
Onur Yuce Gun, Massachusetts Institute of Technology
- Helping students to regain the sense of space and scale in 3D visualization in the digital age.
Jiang Lu, Eastern Michigan University

Session F3. Graphic Communication & Education Moderator: **Harry Eggink**, Ball State U

- Illuminations: an investigation in the nature of graphic communication.
Mohd Bilbeisi, Oklahoma State University
- Seeing to Begin.
David Fox, University of Tennessee, Knoxville
- Drawing Objects and the Object of Drawing.
Rhett Russo, New Jersey Institute of Technology
- Architectural Perception and Communication: A drawing to design sequence.
Thomas Lesko, Wentworth Institute of Technology
- Discovering “What is Architecture?” Through the Assemblage of Topical Sketches
Sean Burns, Ball State University

Session F4. Observation Rep: Drawing and Sketching in Design Education Mod: **Matthew Brehm**, U of Idaho

- Student Sketching Viewed Through the Framework of Expertise Theory: The Advanced Beginner.
Jim Dawkins, The Florida State University
- Active Sketching: Power Tool for a Rapidly Changing Paradigm of Design Problem Solving.
Dean Isham, East Tennessee State University, Wei Dong, University of Wisconsin – Madison
- Representing Experience: Instantaneous and Continuous Perception.
Michael Chisamore, University of Memphis
- Travel in Dialogue – Sketch Journals and the Internet.
Kathe Julin, University of Wisconsin – Stevens Point

6:30 – 9:00 DCA Awards, Acknowledgements, Conference Dinner, Closing

Saturday, October 04, 2014

10:00 - 2:00

Atlanta Architecture Tour with Lunch (Sign-up required/\$35 each)
Guided by Professors Dr. Carpenter FAIA & Dr. Setiawan
(Bus pick-up location will be announced during conference)

