



DCA Conference 2018 Full Schedule

October 07 - 10, 2018 | Host School | Cornell University, Ithaca, New York

Sunday, October 07, 2018

1:00 – 6:00: Registration

1:30 – 4:30: Workshops (workshops are free for DCA registered participants/ \$25 for each student)

5:00 – 7:00: Keynote and Welcome. Conference Co-Chairs, Organizers, and Host School Chair/ Director

Keynote 01: Jenny Sabin of Sabin Studio



Jenny Sabin specializes in adaptive architecture, bio-inspired design, material computation, programmable matter, sustainability, responsive materials, digital ceramics, biomimicry, and Kirigami geometry. Jenny Sabin's work is at the forefront of a new direction for 21st-century architectural practice; one that investigates the intersections of architecture and science, and applies insights and theories from biology and mathematics to the design of material structures. Sabin is the Arthur L. and Isabel B. Wiesenberger Professor in Architecture and Director of Graduate Studies in the Department of Architecture at Cornell University.]

- Reception & Hors D'oeuvres
- Dinner on your own

Monday, October 08, 2018

8:00 - 8:30: Conference Open - Coffee

9:00 - 10:15: Session 1A, 1B, 1C. Three Parallel Sessions

Mon. Oct 08, 2018

Session 1A. Beginning Design Education

Moderator: Rebecca O'Neal Dagg, Auburn U

- Visual Communication + Flipped Classroom. Jonathon Anderson. Ryerson University, Canada
- Integrating Revit in the Beginning Design Studio. Mark O'Bryan. University of Kentucky
- iStudio: An Interactive Form-making.. N D'souza, M Kress, B Balakrishnan, J Hopfenblatt, & M Dastmalchi. Florida International U & U of Missouri-Columbia
- Write from the Start: Using Writing to Enhance the Design Process in a First-Year Design Studio. Sarah Michele Young. University of Louisiana at Lafayette

Session 1B. Virtual and Actual: Process and Product

Moderator: Chris Welty, Kennesaw State U

- 1:1_Digital_Hand_Materiality. Michael Carroll. Kennesaw State University
- Solid, Surface, Space: Inter-scalar Tomography in Variable Formwork. Naomi Frangos. New York Institute of Technology
- Kernel House: An Adaptive Architectural System to Support Active Inserts for Flexible.... Roberta Militello & David Bosworth. Quasi-Crystal Architecture
- Mixed Architectural Robotic Interface (MARI): Augmentation of Robotic Design and Fabrication.... Ebrahim Poustinchi. Kent State University

Session 1C. Drawing: Analog, Digital, and Smart Environmen

Moderator: Henry Sorenson, Montana State U

- Cultural References: New modalities in Graphic Representation. Moh'd Bilbeisi. Oklahoma State University
- Is it Me (f)or a Moment? Reconciling Past and Present with Time Windows. Jim Dawkins. Florida State University
- The Collage in the Digital Context of Architectural Representation. David Lo Buglio & Ellen Van Huffel. Université libre de Bruxelles (ULB), Belgium
- Visual Ecologies: Natural Patterns in Conceptual Optics. Simon M. Bussiere. University of Hawaii at Manoa

10:15 - 10:30: Coffee Break

10:30 - 11:45: Session 2A, 2B, 2C. Three Parallel Sessions

Mon. Oct 08, 2018

Session 2A. Moving Images

Moderator: TBA

- Drawing Motion Through Stillness: Comparing Disciplinary Approaches. Kathryn Bedette. Kennesaw State University
- Mise-en-Scene and its Visual Impact. Sivakumar Vijayan. Seedroot Design and Technology, India
- Cornell: The Ghostly An Actual Virtual Architectural Script. H M Studio: J.P. Maruszczak, R Connah, R Manning., U of Texas at Arlington. Carleton U Canada
- Polysemic and Monosemic – Image as Agent in the Design Process. Scott Singeisen. Savannah College of Art and Design

Session 2B. Digital Design Tool**Moderator: Simon Bussiere**, U of Hawaii at Manoa

- A Graphic Constant. Lance Walters. University of Hawaii Manoa
- Hybrid Imperfection: Expressive Authenticity and the Computer Sketch. Roberto Ventura. Virginia Commonwealth University
- Social Media Design: Using VR to Empower... Tian Tian Lo, Marc Aurel Schnabel, & Tane Moleta. Victoria U of Wellington, New Zealand
- Out of Control: An Examination of the Role of Tools..... J. Kerestes, B. Slightom, & A. Davidson. Ball State U & Southern California Institute of Architecture

Session 2C. Communication and Design Education**Moderator: TBA**

- Embracing Slowness, Methods to Digital Fluency. Arief Setiawan & Christopher Welty. Kennesaw State University
- Teaching Creativity: Idea Generation Methods For The Process of Design. Thomas M. Lesko. Wentworth Institute of Technology
- Transverse Epistemologies in the Design Learning Environment. Yoonjee Koh. Boston Architectural College
- Historic Preservation as a Vehicle for Integrated Design Practice and Sustainability. Lisa M. Tucker. Virginia Tech

12:00 - 1:00: Lunch**1:00 - 1:50: Keynote 02: David J. Lewis of LTL Architects**

[David J. Lewis is a founding principal of Lewis.Tsunumaki.Lewis (LTL Architects), a design intensive architecture firm located in New York City. LTL Architects is the recipient of the 2007 National Design Award for Interior Design from the Cooper-Hewitt, National Design Museum and was selected as one of six American architectural firms featured in the U.S. Pavilion at the 2004 Venice Architecture Biennale.] Additional information on LTL can be found at this link: <http://ltlarchitects.com/>

2:00 - 7:00: Walking Architecture Tour and Local Natural Attractions**Tuesday, October 09, 2018****8:00:** Conference Opens - Coffee**8:30 - 9:45: Session 3A, 3B, 3C, 3D. Four Parallel Sessions**

Tue. Oct 09, 2018

Session 3A. Drawing: Analog, Digital, and Smart Environment**Moderator: Sean Burns**, Ball State U

- Digital Tablet Observation Drawing: Wacom Cintiq/Corel Painter. Henry E. Sorenson, Jr. Montana State University
- Sketching Loosely In Digital. Peili Wang. Savannah College of Art and Design
- Smart' Sketching. Carolin Lange & Thomas Schmitz. RWTH Aachen University, Aachen, Germany
- Architectural Drawing Machines and Qualitative Instrumentation. Rachel Dickey. U of North Carolina Charlotte

Session 3B. Design Education**Moderator: Joern Langhorst**. U of Colorado Denver

- Innerspace: Inhabiting Human Proportions through Digital Media. Margaret McManus. Marywood University
- Stretching the Design Process. Steven P. Juroszek, Kay Spokas, Hannah Jade Wood. Montana State University
- What Digital Media Does and Does Not Do.... Vincent B. Canizaro. University of Texas at San Antonio
- Current Decline of Design Grammar during the Rise of the Digital Fabrication Era. Saleh Uddin. Kennesaw State University

Session 3C. Design Education: Analog, Digital, and Mix Reality**Moderator: TBA**

- A meeting on the Corner of Physical and Technological: Strategies for Teaching the Digital Design Student. Adam Feld. University of Louisiana at Lafayette
- The Ramifications of Teaching Design Studio Online. Jon Daniel Davey. Southern Illinois University
- Logical + Illogical: The Counterintuitive Construction of Interior Effects. Kevin Moore. Auburn University
- Processing and Design with Technology – Linking Architect and the Thrift Client. Mohammad Ishtiaq Kamal. IK Architecture, LLC.

Session 3D. Urban Issues and Built Environment**Moderator: Tom Lesko**, Lawrence U

- Fostering a Bicycle Culture Through Graphics as Urban Design Method; Learning from The Netherlands. Harry A. Eggink. Ball State University
- And Now I See: Teaching Simplified Methods of Charrette-style Illustration for Urban Design.....Lohren Deeg. Ball State University
- A Communication System in Urban Design Process. Shuva Chowdhury & Marc Aurel Schnabel. Victoria University of Wellington, New Zealand
- Drawing Strength in Community: The Normal Station Park Project. Michael Chisamore, University of Memphis

9:45 - 10:00: Coffee Break

Session 4A. Geometry, Form, and Typology in Design**Moderator: TBA**

- Chronological Examination of the Morphology of Hexagonal Based.... Mostafa Alani, Michael Kleiss, Joseph Choma. Tuskegee U & Clemson U
- Fluidic 3-Dimensionalization of Architectural Façade Inspired by 2D Klimt's Artworks. Jungeun Park, Seoyeon Im, & Hyunsoo Lee. Yonsei U, Korea
- Tubular Form Type | Understanding Design Complexity. Nathan Howe & Jaasiel Duarte. Kansas State University
- Sketching with Mathematics. Joseph Choma. Clemson University

Session 4B. Drawing: Analog, Digital, and Smart Environment**Moderator: Lohren Deeg.** Ball State University

- Hyperobject Place and Felted Thing. Zuzanna Karczewska. Montana State University
- On the Foregrounding of Photographic Biases in Architecture. Mike Christenson. North Dakota State University
- Between 'Eidetic' and 'Authentic' – Representation, Meaning and Experience... Joern Langhorst. University of Colorado Denver
- Utopian Representation: Drawing at the Edge of Reality. Pavlina Ilieva. Morgan State University

Session 4C. Design Education**Moderator: Kathryn Bedette,** Kennesaw State U

- How to clearly see 2080: Graphics as process for predicting the future. Michel Mounayar. Ball State University
- A Case for Integrating a User-Centered Design Framework..... Yixiao Wang & Keith Evan Green. Cornell University
- DIY Cartography: Mapping as Analytic, Synthetic and Formative Design Research Tool. Tania Allen & Sara Queen. North Carolina State University
- Manifold Destiny: 'Sketching,' Prototyping and Simulating Architecture Using Additive Manufacturing. Eric Todd Ingler. University of Cincinnati

11:15 - 11:30: Coffee Break

11:30 - 12:45: Session 5A, 5B, 5C, 5D. Four Parallel Sessions**Tue. Oct 09, 2018**

Session 5A. Parametric and Performative Design**Moderator: Laurent Lescop,** France

- Interpreting Ornament. Deborah Schneiderman. Pratt Institute
- Optimization-Driven Process of Window Design for Visual Openness in a Parametr... Ji-Hyoun Hwang & Hyunsoo Lee. Yonsei University, Korea
- Form Generation Methodology of Curved Brick Surface by Parametric Design. Heayon Cho & Hyunsoo Lee. Yonsei University, Korea
- Parametric Intention: Embodying a Thorough Design Ideology. Troy Mock, Yixiao Wang, So-Yeon Yoon, Cornell University

Session 5B. Visualization, Analysis, and Interpretation**Moderator: Scott Singeisen.** SCAD

- Pallasmaa on the Sublime. Kevin Barden. Rivers Barden Architects, Houston
- Energy Analysis of Public School Buildings Through Visualization. N Abdelhamid, B Dalton, M Christenson, M Srivastava. North Dakota State U
- Architectural Identity of Digital Age: Displacement of Identity between Concept and Practicality. Iwao Takahashi. Houston Community College
- Atuning data: Elements on survey, spaces, scales and context in Archeology. Laurent Lescop. Ecole NSupérieure d'Architecture de Nantes, France
- How Things Join[t] Together: Learning from Life's Models of Growth and Movement. Sean Burns, Ball State University

Session 5C. Media Convergence: Manual/Tactile/Digital**Moderator: Mark O'Bryan.** University of Kentucky

- Synthetic Space-Ception: Grasping Synthetic Space through Collaged Viewports. Dean Crouch & Mason Linkous. University of North Carolina at Charlotte
- UDL Principles and the Design Thinking Approach. Sheeraz Wania. George Brown College, Canada
- Assessment of Using Building Information Modeling (BIM) for Maintenance of Existing Buildings. Enes Kol, Hussein Abaza, Kennesaw State U
- Memory of Drawing: Probing the functions of drawing in a post-digital age. Syed Ammad Tahir. Indus Valley School of Art & Architecture, Pakistan

Session 5D. Media Convergence: Manual/Tactile/Digital**Moderator: Steven Juroszek,** Montana State U

- Augmenting Reality: Mediating the virtual and actual in heritage interpretation. Kristin M. Barry. Ball State University
- Reimaging Traditional Design Processes: Contrasting Virtual and Actual. Kutay Guler & Denisa Mirela Guler. Kansas State University
- Virtual Systems - Actual Objects: Rendition of Morphosis' Compositional Principles... Denis Derycke. Université libre de Bruxelles (ULB), Belgium
- Immersion: Interaction - a case for gamification. Christopher Welty. Kennesaw State University

1:00 - 2:30: Buffet Lunch. Business Meeting (open to all DCA registered participants)

Session 6A. Digital Tools & Application**Moderator: Joseph Choma**, Clemson U

- Binary Body Device. Paul Pettigrew. Massachusetts Institute of Technology
- The Impact of Auditory Disorder and Visual Disorder on Message Elaboration... Jeffrey Neo, Andrea Won, Mardelle Shepley. Cornell University
- Extended Realities: New Digital Scholarship Tools for Architectural Heritage... Seher Ford, Chris McAdams, Julie Kress. Temple University. PVR. ID.
- Augmented Reality and Virtual Reality as Advanced Visualization and Presentation Tools...SeonMi Choi. University of Central Oklahoma

Session 6B. Analysis and Interpretation**Moderator: Murat Sahin**, Ozyegin U

- Common Space Spatial Layout Design Model in Nursing Home. Lin BAI & Satoshi NASU. Tokyo Institute of Technology, Japan
- Promiscuous Promise. Nikole Bouchard. University of Wisconsin–Milwaukee
- Visualising Variations: Designerly Explorations in Architectural Composition. Jack Breen. TU Delft, the Netherlands (remote presentation)
- Jean-Nicolas-Louis Durand's Clockwork: Computational Magnification of a... Julien Rippinger. Université libre de Bruxelles (ULB), Belgium
- Samuel Mockbee. Stories to Tell. Representation as a Conduit between the Virtual and Actual, Rebecca O'Neal Dagg, Auburn University

DCA 2018 Poster Session**Moderator: Zuzanna Karczewska**. Montana State U

- Ingenuity as an Identifier of Heritage... S Elwazani, Bowling Green St U, J Granda, Azrieli, Carleton U, Canada, P Katara, Glasgow School of Art, UK
- Envisioning and Inhabiting Virtual Landscapes: Experiencing Paper Architecture through.... Brendon Towle & Kristin M. Barry. Ball State U
- A Suburban Horror Story. James F. Kerestes. Ball State University
- Education of a Robot: Syntax for Unmanned Representations. Awilda Rodriguez Carrion. Oklahoma State University
- Allomorphic Behavior & Gestural Programming: Co-developed Movement between Robots and Designers. Nicole Koltick & Elena Sabinson. Drexel U
- Big Model + Drawing: An Integrated Design Process. Olivier Chamel. Florida A&M University
- General Spatial Ability vs. Domain Specific Spatial Ability in Interior Design...Ji Young Cho & Joori Suh. Kyung Hee U, Korea, U of Cincinnati

4:00 - 5:15: Sessions 7A, 7B International Topics

Tue. Oct 09, 2018

International Topics Session 7A. Design Education**Moderator: Harry Eggink**, Ball State U

- Narrative Reflections in Early Design Education. Murat Şahin, Nilay Ünsal Gülmez, & Muhammad Kabir Balarabe. Özyegin U, Bahcesehir U, Turkey
- Emotive Space: A Negotiating Expedition. Sumaya Islam. American International University-Bangladesh, Bangladesh
- Process and Product of Design: Experimental Studio Design on.... Mahwish Ghulam Rasool. Indus Valley School of Art & Architecture, Pakistan
- Public Art: An Evolution from Traditional Enclosure to Contemporary Invasion. Sana S. Burney. Indus Valley School of Art & Architecture, Pakistan

International Topics Session 7B. Design & Technology in Social Context**Moderator: Michel Mounayar**, Ball State U

- Flexible Lighting Control using Hybrid Model of Performance-Behaviour. Hannah Ju, Kayeong Choi, Daseul Kim, & Hyunsoo Lee. Yonsei U, Korea
- Man-Made to Born-Made: Shifting Perspectives in Architecture. Akyurek K. B. & Ciravoğlu A. Yıldız Technical University, Turkey
- Sustainable Water Management to Determine Quantity of Water That Can Be Saved... Nida Jawad. Comsats Institute of Info & Tech. Pakistan

5:30 - 6:30 Keynote 03: James Wines of SITE

James Wines of SITE



[James Wines is the founder (in 1970) of SITE, New York – a multidisciplinary practice that includes buildings, public spaces, master plans, landscapes, environmental art works, interiors, exhibition designs, video productions, graphics, and product designs.] Additional information on James Wines and SITE can be found at this link: <http://www.siteenviroidesign.com>

6:30 - 9:00: Conference Closing Dinner, Design Drawing Awards, Announcements, Acknowledgements**Wednesday, October 10, 2018**

- Full-day New York City architecture tour. (additional fee)
- Tour Bus leaves at 7:30 AM & returns around 10:00 or 11:00 PM