

LIST OF FULL PAPERS | DCA CONFERENCE to be held in **Fall 2021**

Authors from 17 representative Countries:

Bangladesh, Belgium, Canada, Denmark, France, India, Italy, Nepal, Nigeria, Pakistan, Philippines, South Korea, Spain, Turkey, United Arab Emirates, United Kingdom, USA

- Limit of one paper by a single author

Adam Feld, The University of Louisiana at Lafayette, USA.
 Clientele: An Exercise in Learning to Design for Others.

Adulsak "Otto" Chanyakorn, Kansas State University, USA.
 Freehand drawing in early architectural design process.

Alejandro Borges, Texas A&M University, USA.
 Collisions: On projections and creativity in Architecture

Anette Kreuzberg and Karina Mose, The Royal Danish Academy of Fine Arts, Denmark.
 Representing artificial lighting design

Arief Setiawan and Christopher Welty, Kennesaw State University, USA.
 Form Generating Knowledge: Research in DCA

Arief Setiawan and Christopher Welty, Kennesaw State University, USA.
 Learning to See: Seeing, Making, Thinking.

Brian Dougan, American University of Sharjah, UAE.
 Curricular Continuity | a two semester drawing syllabus

Brock Terwilleger and Michael Chisamore, University of Memphis, USA.
 The Evolution of the Human Figure in Architectural Illustration

Carlos L. Marcos | University of North Carolina Charlotte, USA – University of Alicante, Spain
 The Abstraction of Order Systems. Teaching Ideation Strategies

Catherine Daisy Gomes, Simita Roy, Bristi Majumdar, Bangladesh University of Engineering and Technology, Bangladesh
 Architectural Interventions on the Banks of Ichamoti River, Pabna, Focusing Community Interaction

Catty Dan Zhang, University of North Carolina at Charlotte, USA.
 Architecture as Site Prosthetics: The Artificial Terrain and the Vision Machine.

Danilo Di Mascio, The University of Huddersfield, Huddersfield, United Kingdom.
 Design of a video games art museum: Concepts, design process and educational values of a design studio project

Dave Lee, Clemson University, USA.
 One Stop Shop: Extended Reality for concurrent design and fabrication.

Dilruba Ferdous Shuvra, BRAC University, Bangladesh.
 A new Modernism and the National Capitol Complex of Bangladesh.

Donna Colebeck and Leslie Hankey, Kennesaw State University, USA.
 Innovative Drawing for Empathy-Driven Design.

Ebrahim Poustinchi, Kent State University, USA.
 Mech[Animal]Sitelessness (MAS) Alpha.

Eric Todd Ingliert, University of Cincinnati, USA.
 Flipping the Studio: Architectural Skills 1011-2 for Architectural Engineering Students.

Farzaneh Oghazian and Felecia Davis, The Pennsylvania State University, USA.
 Game-Based Responsive Architecture: A Computational Methodology for Designing Game-Based Responsive Architectures

Giuseppe Mazzone, University of Notre Dame, Indiana, USA
 Evolving the tradition. The introduction of digital technologies in a classically structured curriculum

Grant Alford, Kansas State University, USA.
 Tablet-Based Digital Painting as Architectural Drawing: A Case-Study Analysis

Gregory Brais Sioui, Université Laval, Canada.
Literature and poetry at the service of architectural design

Harry A. Eggink, Ball State University, USA.
The Soul of the Sketch

Henry E. Sorenson, Jr., Montana State University, U.S.A.
iPad Pro/Apple Pencil/Procreate Observation Drawing

Henry Tsang, Athabasca University, Canada.
The Evolutive Culture of the Architectural Design Studio: From the Beaux-Arts to Virtual Design Studios

Hina Irfan, Zara Amjad, Sara Assad, Hassan Wajid, Gulzar Haider. Beaconhouse National University, Lahore, Pakistan.
Looking beyond a Surface – Drawing as a Sensory Experience in a First Year Architecture Studio

Hussein Abaza and Ethel Milian, Kennesaw State University, USA.
Integrating Data Visualization Tools to Project Scheduling

Jacklynn Niemiec, Drexel University, Philadelphia, USA.
Visualizing Curricula: Data Visualization Methods for Non-Linear Curriculum Mapping

James F. Kerestes, Ball State University, USA.
Deepfake Architecture: Representations of Subjective Realities

Jeffrey Collins, Kennesaw State University, USA.
Enhancing architectural possibilities via coordinated digital models

Joern Langhorst, University of Colorado Denver, USA
Mapping Agonism: Design, Democracy and the Space of Encounter

Kate O'Connor, Marywood University, USA.
[re] MAKE: A Platform for High School Students to Understand the Iterative Process

Kenneth C. Yu, De La Salle University – Dasmariñas, Philippines.
Breeding and Booming by the Bay: Framework for Sustainable Contrast Development in Parañaque City Reclamation Area

Kevin Moore, Auburn University, USA.
Constructing Perceptual Environments: A Hands-On Theory for Interior Architecture

Kevin Moore, Auburn University, USA.
The Illuminated Interior: Developing Surface Effects for a Downtown Public Library

Kory Beighle; University of Cincinnati, USA.
A Primer on Architectural Alchemy: Collaging Disciplinarity in the Kaleidoscopic

Kristin M. Barry, Ball State University, USA.
Preconception in Process and Product: Conceptualizing Space from Artifacts

Laurent Lescop, Olivier Chamel. AAU-CRENAU Nantes, France. FAMU, Florida, USA.. France, USA.
Digital Tools in Architectural Education: French / US Comparison

Lohren Deeg, Taylor Metz, Richard Tursky, Ball State University, USA.
Surrealist Games and Exotic Names: Collaborative, Iterative, and generative exercises in drawing and making

Madiha Zaman, Quart ul Ain Asghar, University of Engineering & Technology, Lahore, Pakistan.
Making Sense in Parametric Design Process: Its Autonomy and Limitations

Mamoona Rashid, Adnan Jalil, Saima Gulzar, Ayesha Mahmood Malik, U of Management and Technology, and University of Engineering & Technology Lahore, Pakistan.
Performance Analysis of Vertical Fins as Shading Strategy in commercial buildings in Lahore; emphasizing on the optimal depth of Vertical fin

Margaret McManus, Savannah College of Art + Design, USA.
A Variation On Narrative Perception In Beginning Design

Mark O'Bryan, University of Kentucky, USA.
Collage Techniques in Physical Modeling

Moh'd Bilbeisi, Oklahoma State University, USA.
Investigations in Graphic Communication

Md Tariquzzaman, Bangladesh University of Engineering and Technology, Bangladesh.
An Adaptable Modular System: A Context Responsive Approach Towards Designing Affordable Housing for Lower Middle Income Group in Savar, Dhaka

Meliti D. Dikeos, Wentworth Institute of Technology, USA.
Urban innovation through the partnership of citizen activists and pioneering design organizations

Michael Carroll, Kennesaw State University, USA.
Structural Blindness and the Vision of Intersectionality

Michael Chisamore, University of Memphis, USA.
Notions of the Sublime and Design Communication

Michel Mounayar, Ball State University, USA.
Actor's Spaces: Character and role immersion in the study of architecture

Mohaimen Islam, Bangladesh University of Engineering & Technology, Bangladesh.
Making: Rejuvenating the 'Physical' Design Tool

Monday Chris Elimisiemon, Kaduna State University, Nigeria.
Architect's Perspective on Barriers and Drivers of Sustainable Architecture in Nigeria

Murat Sahin Ph.D, Muhammad Kabir Balarabe. Özyeğin University, Turkey.
Exploration for productive learning spaces: a shift from enclosed to shared spaces

Nathan Howe, Kansas State University, USA.
Creating a new Drawing Tool

Peter Goché, Iowa State University, USA.
Perceptual Inquiries

Piga, Barbara E. A. and Stancato, Gabriele. Politecnico di Milano, Italy.
Representations and dissemination visualisations and devices of web-based and mobile applications for co-designing urban transformations: a comparative analysis.

Pranita Sharma Pandey, Kathmandu Engineering College, Nepal.
Traditional Kathmandu Valley – A smart city by itself

Quratulain Asghar and Syed Muhammad Zille Ali Naqvi, University of Engineering and Technology Lahore, and at Studio, Pakistan.
Methodology framework for Digital Design Pedagogy: Comparative analysis of Architectural Studios

Quratulain Asghar, Adnan Jalil, Madhia Zaman, University of Engineering and Technology Lahore, Pakistan.
Heritage conservation in the digital era: Digital Tools and Techniques in sustaining architecture: A Case of Asaf Khan Tomb Lahore

Rachel Dickey, University of North Carolina Charlotte, USA.
Verb List: A Guide to the Honing of Materiality and Digital Craft

Raj Charaniya, Folds Design Studio, India.
The Foldfab Pavilion: An exposition of designing with Computation and Digital Fabrication Tools

Rebecca Heavner, University of Colorado Denver, USA.
Illustration and Design Thinking Methods in Landscape

Rhett Russo, Rensselaer Polytechnic Institute, USA.
Foundation Design: Piranesi's Cage

Ryan Roark, Georgia Institute of Technology, USA.
Representing Renovation: Pedagogical Tools for Design Interventions

Sana S. Burney, Indus Valley School of Art and Architecture, Pakistan.
Public Art: From Karachi Biennale to the Killing Fields of Karachi

Sanwar A. Sunny and Kamrun Nahar, University of Baltimore, USA, and North South University, Bangladesh
Perceiving and executing sound environmental design strategies – A global visual framework

Sean Burns, Ball State University, USA.
Perception to Execution: Inheriting and Reconsidering the Known Object as a Means to Altering Preconceived Notions of Architectural Design

Selen Okcu, Kennesaw State University, USA.
A pedagogical approach utilizing manual means for the expression of sonic fields

Simon M. Bussiere, University of Hawai'i at Mānoa
In Search of the Big Idea

Sivakumar Vijayan, Seedroot Design and Technology, India.
Production design (film set design) with the use of color and lighting to create an Ambience through Artificial Intelligence (AI)

So-Yeon Yoon, Cornell University, USA.
It's Finally Time for Real-time Photorealistic 3D Rendering: Pilot Studios - Lessons Learned and Factors to Consider

Stephen Temple, University of Texas at San Antonio, USA.
Engaging Representational Imagination through Charcoal Drawing of Architecture

Steven P. Juroszek and Christopher Livingston, Montana State University, USA.
Filling the Field of View: Rome 2092

Syeda Saika Sudah and Nayma Khan. Bangladesh University of Engineering and Technology, Bangladesh.
Rethinking Hospital Physical Environment in the Context of Developing Country

Tanvir Hasan, Bangladesh University of Engineering & Technology, Bangladesh.
Rethinking circulation pattern in urban market at Dhaka

Thomas M. Lesko, Wentworth Institute of Technology, USA
Architectural Sociology Applied to the Design Process: the axiology of space.

Tim Frank, and Selen Okcu, Kennesaw State University, USA.
Learning in the Lab: Examining the Design Communication Teaching Environment in a Digital Era

Tim Frank, Kennesaw State University, USA.
Both/And: Challenging the Polarization of Analog and Digital Techniques in Design Communication

Tonya Miller, Catherine Kendall, & Eun Young Kim. University of Tennessee at Chattanooga, USA.
The Impact of Cognitive Style on Spatial Perception Utilizing Varying Modes of Design Communication

Virginia Elynn Melnyk, Tongji University, China and Clemson University, USA.
Sitching Details : Digitizing Textile Crafts for Architectural Designs

Yang Lu and Laurent Lescop,. Hochschule Anhalt, and Ecole Centrale de Nantes, France.
3D Reconstruction Based on the Visual Structure of Chinese Hand-scroll Painting.

Yoonjee Koh, Boston Architectural College, USA.
Digital Media and Open Education in Architecture

Zahid Islam and Saleh Uddin, University of North Texas and Kennesaw State University, USA
Using Extended Reality to Assess User Experience for User-Centered Design in Design Studio

Zaki Mallasi, AECOM, Building and Places, Baltimore, Maryland, USA.
A Pixels-based Parametric Design Thinking Approach for Patterning Building Façades

Zara Amjad, Sara Assad, Hina Irfan, Hassan Wajid, Gulzar Haider. Beaconhouse National University, Lahore, Pakistan.
Object of Curiosity

Zhan Chen, Auburn University, USA.
Drawings of Ambiguity: Illuminating Spatial Possibilities



POSTERS

Gregoria M. Mercado and Rhea Reodique-Olimpo, Far Eastern University, United Architects of the Philippines
Urban Livability Assessment for FEU Students in Manila, Philippines

Hina Irfan, Zara Amjad, Sara Assad, Hassan Wajid, Gulzar Haider. Beaconhouse National University, Pakistan
Looking Beyond a Surface

Joori Suh, University of Cincinnati, Cincinnati, USA, and Ji Young Cho, Kyunghee University, South Korea
Do students with varying spatial abilities see different things?: An exploratory study using eye-tracking technology

Kei Tomita, Kennesaw State University, USA
Bringing Instructional Design Perspectives to the Interaction Design Education: A Case of a User Interface Design Course

Lora Kim, Associate Professor | Wentworth Institute of Technology, USA
Inclusive, Hybrid, & Multi-Disciplinary | Collage & Architecture

Peili Wang, Savannah College of Art & Design, USA
Freehand Section Perspective

Zara Amjad, Sara Assad, Hina Irfan, Hassan Wajid, Gulzar Haider. Beaconhouse National University, Pakistan
Object of Curiosity
