Conference Schedule
and
Concurrent Education Sessions
Transforming the Discussion
Breaking our Landscape Architecture Chrysalis

Conference Schedule
Concurrent Education Sessions

CELA 2018

March 21–24, 2018

Landscape Architecture Program
School of Architecture + Design
College of Architecture and Urban Studies
Virginia Tech

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# CELA 2018: Transforming the Discussion
hosted by Virginia Tech | Landscape Architecture Program | School of Architecture + Design | College of Architecture and Urban Studies

## 20-Mar-2018 | TUESDAY
---
9-5 pm | CELA Board Meeting  
201 Cowgill Hall  
School A+D Conference Room

## 21-Mar-2018 | WEDNESDAY
---
9-12 am | CELA Board Meeting

1:30-3:00 pm | ROVE Training  
121 Burruss Hall  
The LAR Suite on Campus

3:30-5:00 pm | Graduate Student Workshop: “So you Want to be a Professor”  
Graduate Life Center - Room F.  
On Campus  
Leadership Retreat / Administrators’ Meeting  
Cascades Room (A+B)

Opening Faculty/Graduate Student Reception | 5.30 - 7.00 pm  
Squires Student Union:  
Old Dominion Ballroom

7:30 PM | Track Chair coordination dinner  
(Bull and Bones Restaurant)

## 22-Mar-18 | THURSDAY
---
8:00 - 9:00 am | Intro Plenary Session
Latham Ballroom  
Track Chairs meeting

9:00 - 10:20 am | Education Session 1  
Plenary: lifetime achievement presentation  
Latham Ballroom  
Field Trips  
Latham Ballroom

10:30 - 11.40 am | Education Session 2  
Latham Ballroom  
Leadership Retreat / Administrators’ Meeting  
Cascades Room (A+B)

11.20 | Lunch - (boxed)  
Latham Ballroom

12.30 - 2.20 | Lunch Buffet with Track Discussant Breakouts  
Latham Ballroom

12.15 - 5:15 | Education Session 3  
Latham Ballroom  
Final Plenary: Discussant and closing  
Latham Ballroom

3.50-5.20 pm | Education Session 4  
Latham Ballroom  
Closing Reception  
Latham Ballroom

## 23-Mar-18 | FRIDAY
---
8.00 - 9.00 am | Education Session 6  
Latham Ballroom  
Track Chairs meeting  
Latham Ballroom

9.00 - 10.20 am | Education Session 5  
Latham Ballroom  
Interactive Poster Session  
Upstairs Gallery

10.30 - 11.50 am | Education Session 7  
Latham Ballroom  
Lunch with Awards Program  
12.00 - 1.50pm

12.45 - 1.20 pm | Lunch Buffet with Track Discussant Breakouts  
Latham Ballroom

2.20-3.40 | Education Session 8  
Latham Ballroom  
Latham Ballroom

3.30 - 4.50 PM | Education Session 9  
Latham Ballroom  
Latham Ballroom

## 24-Mar-18 | SATURDAY
---
8.30-11:30 | LAAB Accreditation Workshop  
Drill Field Room

## 25 March 2018 | SUNDAY
---
6:30-8 pm | Fellows Lecture: Roddy Moore  
7:15-8:15 pm | Latham Ballroom  
Closing Reception  
Latham Ballroom
## CONCURRENT EDUCATION SESSIONS
### THURSDAY MARCH 22

**Concurrent Education Session 1**
9:30 – 10:50

**Transforming the Discussion | Drillfield Room**
- Breaking Bad: A Call for Landscape Architects to Influence Radical Change in Education (14) Ryan Hargrove
- Challenging Current Interdisciplinary Education Approaches in Landscape Architecture (370) Jack Leonard
- Post-Structuralism and the Liberation of Landscape Architecture (10) Alf Simon
- In the Field and in the Ether: Video Mapping Impressions (336) Richard Alomar, Holly Nelson

**Design Education and Pedagogy | Smithfield Room**
- Landscape Architecture Online: Accreditation Standards for Online Landscape Architecture Education (371) Kristopher Pritchard, Ned Crankshaw, Kelleann Foster, Leah Matthews

**Communication and Visualization | New River Room**
- Scenic Resource Management in the Digital Age: A Case Study of the Richmond Riverfront Viewshed Project (384) Guoping Huang
- Comparing Drafting Systems against Their Impact on Efficiency and Effectiveness in the Creative Design Process (56) Amanda Berry
- Urban Landscape Metrics: Reimagining the Class Field Trip in New York City’s Great Parks (390) Christopher Counts, Maria Counts,

**History, Theory and Culture | Solitude Room**
- Beyond Environmental Elegy: Spatializing Narratives of Loss (26) Anita Bakshi
- From Natural Forms to Phenomenal Richness: Aesthetics and Function in Landscape Design (79) Katherine Melcher
- Kintsugi: Reflections on Broken Landscapes, Narrative, and the Language of Repair (166) Eric MacDonald, Elizabeth King
- Landscape Photography and Time: Benefits of Thinking of Time as Thick (330) Anne Godfrey

**Landscape Planning and Ecology | Ellett Valley Room**
- Integrating Landscape Performance and Resilience Scorecard Analyses into a Geodesign Process (7) Galen Newman, Malecha Matthew, Siyu Yu, Jennifer Horney, Zixu Qiao, Jaekyung Lee, You Jung Kim, Ryun Jung Lee, Phil Berke
- Shell-ter: Sculptural Forms as Infrastructure for Coastal Resilience and Education (406) Austin Bamford, Emily Vogler, Scheri Fultineer, Marta Gomez-Chiari
- Resilience Thinking toward Transformation: Social–Ecological Vulnerability to Climate Change in the Sonoran Desert Region (296) Chingwen Cheng
- Trans-scaled Landscape Planning with Landscape Information Modeling: Landscape Planning of Huanghua Town as an Example (96) Yong Guo, Neng Zhang, Shaoning Yan, Guoyu Sun, Jiazhong Li, Jing Liu

**Landscape Performance | Drapers Meadow Room**
- Economic Benefits: Metrics and Methods for Landscape Performance Assessment (5) Bo Yang, Zhen Wang, Shujuan Li, Chris Binder
- Approaches for Obtaining SITES v2 Water Credits in Playa Hydrologic Systems of the Llano Estacado Region (157) Jared Horsford
- Parks as a Health Treatment: Measuring the Dosage (216) Robby Layton
- Synergy: Interdependent Relationships in Planning, Urban Design, and Landscape Architecture (360) Chuck Ware, Mintai Kim, Kyunghee Kim

**People – Environment Relationship | Duck Pond Room**
- A Sensorial Approach to Design: Vermilion Riverfront Park, Danville, Illinois (12) Amita Sinha
- The Usefulness and Meaning of Rural Greenways: User Experience at the Tanglefoot Trail in Northeast Mississippi (13) Michael Seymour, Peter Summerlin
- Psychophysiological Responses While Watching a Still Waterscape (267) Ying-Hsuan Lin, Chun-Yen Chang
- An Investigation into the Intricacies and Relationships among the Riverine Ecology, Landscape Narrative, and Cultural Expressions of Literature and Music in Ganga-Brahmaputra Delta (375) Omar Faruque
Research Methods | Cascades Room
- Droning Mud Lakes, Valerie Friedmann (180) Rob Holmes
- Sediment Design, Climate Change Adaptation, and California’s Bay-Delta (321) Brett Milligan, Rob Holmes, Justine Holzman
- Multifunctional Urban Stormwater Wetlands Celina Balderas Guzman (345) Alan Berger, Heidi Nepf

Concurrent Education Session 2
11:00 – 12:20

Transforming the Discussion | Drillfield Room
- The Role of Landscape Architecture in Sub-Saharan Africa (399) Noah Billig, Mary Nell Miskin
- Tipping Point: The Future of the Profession (401) Patrick Miller
- Professional Culture Mindsets in Planning, Design, and Construction: Transforming the Discussion through Understanding (125) Pat Crawford, Rob Dalton
- A New Model Integrating Landscape Architecture within Global Health: A Case Study with an Informal Community in the Peruvian Amazon (242) Leeann Andrews, Jorge Alarcon

Design Education and Pedagogy | Smithfield Room
- Virtual Reality and Student Understanding of the Third Dimension in the Landscape Architecture (289) Hossein Saedi, Kofi Malik Boone
- Representing Landscapes 3D: Revisiting the Physical Model in Landscape Architecture Education (304) Maria Counts
- The Resuscitated Diagram: Landscape Syntax, Operation, and Spatial Relations (381) Hope Hasbrouck
- Places Drawn: Two Pedagogical Approaches to Place—Understanding through Image-Making (222) Blake Belanger, Carl Smith

Communication and Visualization | New River Room
- Ghost Ecologies: Storytelling and Futures in the Athabasca Oil Sands (141) Jonathan Knight, Jessica Canfield
- Dispersed and Discontinuous: Digital Platforms for Traversing and Triangulating the Survey Text (151) Meg Studer, Elizabeth Meyer, Michael Lee
- Intangible Landscapes: An Argument for the Realignment of Theory and Practice through Data Visualization (317) Elizabeth Stapleton
- Emerging Trends in Geospatial Technologies for Study of Urban Landscape (328) Ming-Chun Lee

History, Theory and Culture | Solitude Room
- Claremont and Stone Cliff: A Case Study of Hidden Cemeteries in West Virginia’s Coal Country (49) Elisabeth Orr
- Reframing Mill Memorialization through the Lens of Landscape, Rebekah Lawrence (206) Paul Kelsch
- Reframing Historic Civil War Monuments in the American South: The Example of Abbeville, S.C. (281) Martin Holland
- Martha Brookes Hutcheson and the Modern Roots of Ecological Agriculture (3) Roxi Thoren

Landscape Planning and Ecology | Ellett Valley Room
- The Role of Forests as Green Infrastructure (80) JeanMarie Hartman, BoYoung Park, Johnny Quispe
- Effects of Spatial Forms of Green Infrastructure in Block Scale on PM10 and PM2.5 Removal: A Case Study of the Main City of Wuhan (102) Ming Chen, Fei Dai, Shengwei Zhu
- Public Aesthetics-Based Design Patterns of Urban Rain Gardens (21) Dan Chen, Hui Yu, Xuewen Long, Shengquan Che
- Understanding Spatial Relationships between Flood Hazard Areas and Green Infrastructure: A Case Study for Phoenix, Arizona (149) Joomee Lee, Chingwen Cheng

Landscape Performance | Drapers Meadow Room
- An Assessment Framework of Cultural Ecosystem Service of Shanghai’s Urban Parks (115) Yuxian Chen, Daixin Dai
- Examining Green Infrastructure Performance: Learning from Two University Campus Sites (147) Jessica Canfield, Lee R. Skabelund, Katie Kingery-Page, Stacy L. Hutchinson
- Living Architecture and the Ecosystem Service Signature, (177) Reid Coffman
- Designed Experiments to Improve Green Infrastructure Performance: The Design Process (246) Paul Cosse

People – Environment Relationship | Duck Pond Room
- Rethinking Schoolyard: Outdoor Learning Environment for Connecting Children with Nature (195) Afsana Sharmin, Sohyun Park
- Water and Campus Culture: Taking Care of Our Sinkholes (377) Jason Seickel, Christopher Nelson, Jingyan Xu, Alpa Nawre
- Learning Math in Landscapes: An Experiment on the Effects of Landscape Manipulatives (225) Yang Song, Matthew Powers
- Place Meaning between Female Adolescents Undergoing Substance Abuse Treatment and a Japanese-Inspired Healing Garden (311) Lily Mank, Kristin Thorleifsdottir, Samuel Dennis Jr.
Research Methods | Cascades Room
- Semiotics as Method for Interpretation and Analysis of Cultural Landscapes (35) Jennifer Britton
- Community-Based Methods in Documenting Cultural Landscapes in the Case Study Area of Fındikli, Rize, Turkey (51) Aylin Alisan Yetkin, Terry Clements
- Methodological Review of Sustainable Landscape Education Research (128) Dan Li, Mintai Kim, Cesnmetrius Bohannon
- Water, Infrastructure, and Feral Landscapes in the California Delta (324) Brett Milligan

Concurrent Education Session 3
2:20 – 3:40

Transforming the Discussion | Drillfield Room
- Sowing Indeterminacy: Eco-Urban Hybridization in Pittsburgh Vacant Lots (278) Marantha Dawkins, Nicolas Azel
- Adaptive Urban Design (365) Katherine Melcher

Design Education and Pedagogy | Smithfield Room
- Gauging Merits and Challenges of Interdisciplinary Studio Teaching and Learning (235) Bo Zhang, Awilda Rodriguez
- Team-Teaching Strategies and Effectiveness in Design Pedagogy: A Pilot Assessment (89) Stephen Mainzer, Kendall Mainzer, Eliza Pennypacker
- Diversifying Collaborative Learning Experiences in Design Studio (67) Sohyun Park, Michael Ross
- Studio Design and the Prospect of Tool-Power (181) Kathleen Kambic

Film | New River Room
- In Three Acts: Sequence in Art and Nature (60) Carter Crawford
- Introduction to Stream Restoration: Lessons Learned from Wildland Hydrology Short Course IV: River Restoration and Natural Channel Design (162) Vaike Haas
- Plastic World (251) Sophia Meeres, Urs Hirschberg
- Gear Up KY: Landscape Architects Influencing Radical Change in Education (28) Ryan Hargrove

Sustainability | Solitude Room
- Comparison of Sustainable Design and Korean Traditional Feng Shui Design (293) Mintai Kim, Jong Koo Han
- The Legacy of Dynamite in a Prairie Landscape (118) Dietmar Straub
- Social Equity through an Eco-Cultural Trail: The Ngäbe-Buglé Migration under Capitalism in West, Panama (299) Hatvany Gomez Concepcion
- Universal Adaptive Strategy Theory in Planning and Design: Lessons in Sustainability from J.P. Grime and Simon Pierce (194) Jon Burley

Landscape Planning & Ecology | Ellett Valley Room
- Protection and Development of Ski Resort Landscape Resources Based on the Theory of Restoration Ecology: Thaiwoo Ski Resort of Zhangjiakou City (27) Shan Du, Shan Cao
- The Rio Studio: Revitalization of the Informal Settlement of Santa Marta (241) Timothy Baird, Jose Duarte
- Saving the City’s Shade: Good Reasons to Seek UNESCO World Heritage Status for Winnipeg’s Elm Trees (200) Anna Thurmayr
- Landscape Archaeology and Historic Landscape Characterization in a Landscape of Intensive Energy Resource Development: Landscape Architecture, the Anthropocene, and the Appalachians (44) Charlie Yuill

Landscape Performance | Drapers Meadow Room
- Teaching Landscape Performance: Strategies and Lessons Learned (363) Megan Barnes, Ellen Burke, Kenneth Brooks, Brad Collett, Kelly Curl (Panel)

People – Environment Relationship | Duck Pond Room
- Promoting a “Healthy Places” Placemaking Approach in Urban Design (52) Peter Ellery, Jane Ellery
- Installation Art as a Placemaking Approach in Urban Public Spaces (182) Arzu Kalin
- Local Discussions for Healthy Communities: Policy, Systems, and the Environment (PSE) Approach to Transforming Communities in Kentucky (265) Jayoung Koo
- Designing Green Space as Part of an “Ideal Neighborhood” within a Museum-Based Urban Ecology Exhibit (367) Jane Buxton, Robert Ryan

Research Methods | Cascades Room
- Fieldwork Hybrids: Learning from Other Disciplines How to Read, Record, and Reveal the Landscape (37) Joseph Ragsdale
- Fieldwork as Description and Action (260) Gareth Doherty
- An Approach to Identifying Landscape Character at the Campus-Community Edge (234) Jessica Fernandez, Ying Song
- Beyond McHarg: Mapping as a Speculative Practice for Hybridizing Systems with Waste (23) Catherine De Almeida
Transforming the Discussion | Drillfield Room
• Contested Histories, Memorials, and Public Memory (160) C.L. Bohannon, Brian Kate, Sharone Tomer, Camden Whitehead, Alissa Diamond (Panel)

Design Education and Pedagogy | Smithfield Room
• Flipping the Regional Design Studio: Teaching GIS through an Applied Studio Project (30) Travis Flohr
• Assessing Learning Landscape Performance (40) Rebekah VanWieren, Joseph J. Ragsdale, Kirk Dimond
• GREEN STEAM: Using Principles of Design to Power the Development of Outdoor Educational Spaces (192) David Hopman, David Sparks, Amanda Alexander, Seiji Ikeda, Ann Podleska
• Teaching Studio: Conversations with Landscape Architecture Professors (59) Carter Crawford

History, Theory & Culture | Solitude Room
• Welfare Services in Parks: Their Roles and Ideological Development Processes (284) Soyoung Han, Mintai Kim, Yoonku Kwon, Joong Won “James” Kim
• Resolving Conflicts between Historic Character and Sustainability Goals: Removal of Turf at Mission 66 National Park Service Facilities (388) Elizabeth Scott, Carly Boise
• A Search for Non-Representational Landscape-Sign: A Case Study of Byungsan Confucian School, Korea (291) Kyung-kuhn Lee
• Terraforming as Environmental Design (372) Kevan Klosterwill

Landscape Planning & Ecology | Ellett Valley Room
• Green Roofs and Birds: Observations and Opportunities for Supplementing Wildlife Habitat (54) Sara Harrell, Timothy Schauwecker
• An Ecological Tapestry of Urban Form: The Imperative of the Bioregion in the 21st Century (175) Tom Schurch
• From Golf Course to Community Park and Open Space: Who Is Doing It and How? (214) Kelly Cederberg
• Integration of Green Infrastructure in Land-Use and Water Planning (369) Kelly Curl

Urban Design | Drapers Meadow Room
• The Means of Moving People: Urban Regeneration through Transportation Alternatives (53) Ellen Emeric, Galen Newman
• No Parking: Transformations of Public Streets in the Driverless City Project (87) Ron Henderson
• Assessing the Aesthetic Values of an Elevated Transportation Infrastructure through a Visual Analysis of YouTube Videos (164) Stefania Stanisca
• Using Flow-Splitters to Improve Green Infrastructure Design (117) Stuart Echols

People – Environment Relationship | Duck Pond Room
• Implementing POD (Preventing Obesity by Design) and Its Implications for Landscape Architecture Programs (63) Charles Klein, Afsana Sharmn, Kristi Gaines
• Geospatial Research on Childhood Obesity and Potential Responses in Urban Community Design (76) David Tulloch
• Considering Invisible Light in Playground Design: Ultraviolet Radiation (UVR) and Children’s Skin and Eye Health (169) Wenwen Cheng, Robert Brown
• Bringing the Outdoors In: Designing a Mobile Sensory Garden for Children with Sensory Integration Disorders in Elementary Schools (201) Morgan Taylor, Anne Beamish

Research Methods | Cascades Room
• Disparity between Proximity-Based Park Accessibility Standards and Stratified Users’ Access and Willingness-to-Walk to Parks: Findings from the City of Los Angeles (75) Weimin Li, Tianqiu Luo
• Using Discrete Choice Experiments in Landscape Preference Research (237) Hamad Alsaiari, Mintai Kim
• Stress Recovery by Exposure to Nature in Virtual Reality (279) Brent Chamberlain, Laura Vallo
• Understanding Urban Attractions Using Volunteered Geographic Information: A Flickr Study of Ten U.S. Cities (354) Dongying Li, Xiaolu Zhou

FRIDAY, MARCH 23
Concurrent Education Session 5
9:00 – 10:20

Transforming the Discussion | Drillfield Room
• Emerging Models for Doctoral Studies in Design (178) M. Elen Deming, W. Lake Douglas, Christopher Ellis, Brian Lee, Art Rice (Panel)

Design Education and Pedagogy | Smithfield Room
• Reframing the Discussion: An Examination of Design Studio Teaching through the Conceptual Lens of Self-Regulated Learning (210) Matthew Powers
• How Cognitive Factors Affect People’s Willingness to Adopt Green Infrastructure Tools (140) Burcin Dogmusoz, Arthur Rice
• Analyzing Place, Behavior, and Site Systems at the Talley Student Union (385) Carla Delcambre, Gene Bressler
• Writing to Learn in Beginning Graphics Studios (359) Charles ‘Taze’ Fulford, Ed Deichert

Page 4 of 10
Sustainability | New River Room
- Escaping the Flood: The Impact of Climate Change on Transit Desert Communities (55) Diane Allen, Niveditha Dasa Gangadhar
- Assessing Relocation as a Strategy for At-Risk Populations and Municipalities in the Upper Susquehanna Watershed (257) Jamie Vanucchi, Saumitra Sinha, Daisy Hoyt, Isabella Welch
- How Can Paving and Planting Affect Microclimate Conditions and Thermal Comfort in High-Density Apartment Complexes: Empirical Findings from ENVI-met Simulations (61) Ga-Yoon Choi, Jae-Seung Lee
- Sculpting Hybrid Shorelines (124) Katherine Goodrich, Josh Cerra

Transforming the Discussion | Solitude Room
- The Blurring of Landscape Architecture: BIG’s Amager Bakke Waste-to-Energy Power Plant (95) Samantha Solano
- Un-thinking Gentrification: Engaging with Bias and Privilege in Landscape Architecture Education (185) Ellen Burke
- A Systems-Thinking Review of Geodesign: The State-of-the-Art and Future Perspectives (219) Yexuan Gu, Brian Deal

It’s a Mix | Ellett Valley Room
- Designing for Resiliency in Antiquity (227) Kathryn Gleason
- The Unknown Unknowns: Lessons from the Anthracite Trail (2) Roxi Thoren
- Small Green Spaces’ Type and Structure for Microscopic Urban Heat Island Mitigation, Jonghoo Park (205) Jun-Hyun Kim, Dong-Kun Lee

Landscape Performance | Drapers Meadow Room
- Post-Occupancy Evaluation of the Landscape Environments in a Primary Care Clinic: The Environmental and Social Performances (33) Shan Jiang, Kirsten Staloch, Sofija Kaljevic
- Evaluating the Landscape Performance of Railroad Park, Birmingham, AL, (137) Charlene LeBleu, Ryan Bowen, Britton Garrett
- Landscape Performance Research: Findings from Harvest Community, Wayne Ferguson Plaza, and The Shops at Park Lane in North Texas (183) Taner R. Ozdil, Riza Pradhan, Ravija Munshi, Ali Khoshkhar
- Improving Environmental Performance Evaluation of Landscapes: Lessons Learned from the Landscape Architecture Foundation’s Landscape Performance Series (264) Hong Wu, Clarissa Ferreira Albrecht da Silveira

People-Environment Relationship | Duck Pond Room
- A Study on the Stress Relief Effects of Teenager Physical Activity in City Parks Based on Psychological Evaluations (252) June Lee
- Healthy, Nature-Based Child Care Center Outdoor Environment: A Systematic Review of the Literature (288) Xiaotong Liu, Mary Padua
- People’s Landscape Preference and Attitudes towards Community Gardens in the City of Roanoke, VA (308) Sinan Kordon, Parick Miller, C. L. Bohannon

Service-Learning and Community Engagement | Cascades Room
- Healthy Communities: A Guidebook for Small Towns (131) Kyle Franta, Don Burger, Rachel Drietz, Carter Roberts, Eion Donelan, Joshua Goeden
- Studio Praxis: Starting a Dialogue toward Social-Ecological Resilience (199) Graham Smith, Joshua Cerra, Libby Zemaitis
- Community Design Centers (CDCs) on the Upsurge: Investigating Perceptions among CDC Leaders and Administrators in Texas (349) Robert Kevin Rodriguez, Taner R. Ozdil
- Participative Cultural Landscapes? Two Case Studies from Singapore (408) Raffaella Sini

SATURDAY, MARCH 24
Concurrent Education Session 6
8:10 – 9:30

Transforming the Discussion | Drillfield Room
- Rethinking “Appomattox”: A Student Competition to Reimagine a Civil War Memorial in Alexandria, Virginia (74) Paul Kelsch
- Cultural Landscape Inquiry: Preserving and Reviving a Park Dedicated to Civil Rights Icon (319) Chester I. Lewis, Andrea Lemken, Skylar Brown, Wei Sun, Katie Kingery-Page
- Beijing and Boston: A Comparative Study of Urban Landscape Evolution and Transformation from 1998 to 2018 (84) Hongbing Tang, Aidan Ackerman
- The Myth of the Moral Heartland: Transforming the Discussion of America’s Agricultural Landscapes (379) Shelley Cannady

Design Education and Pedagogy | Smithfield Room
- Gray Hair Matters: A Custom MLA Curriculum for Training Seasoned Practitioners to Become Transformative Educators (57) John Anderson, David Spooner
• Research Methods within the MLA: Implications for Scholarly Inquiry in Landscape Architecture (211) Ole Sleipness, Keith Christensen
• Environmental Justice and Local Knowledge: Learning from Practice (77) Melissa Currie
• Student Use of Design Software: Results of an International Study on Student Software Proficiency (275) Peter Summerlin, Benjamin George, Charles ‘Taze’ Fulford

Landscape Performance/Design Implementation | New River Room
• Factors Likely to Affect Green Roof Adoption in the US Midwest (24) Joanne Westphal, John Schweitzer
• Improving the Performance of Residential Landscape in a Semi-Arid Urban Context (113) Yi Luo, Charles Klein, Tyson Watson
• Faculty and Student Roles in Monitoring and Managing Two Largescale Prairie-Like Living Roofs in North-Central Kansas (302) Lee Skabelund
• Synergy: Interdependent Relationships in Planning, Urban Design, and Landscape Architecture (360) Chuck Ware, Mintai Kim, Kyunghee Kim

History, Theory and Culture | Solitude Room
• An Uncommon Collaboration: Charles Platt and Olmsted Brothers in the Country Place Era (48) Sean Rotar
• Designing for Production and Pleasure: Insight from the Orchards of Monticello and Mount Vernon (81) Nathan Heavers
• The Role of Plants in James C. Rose’s Gardens (105) Anna-Maria Vissilia
• Islamic Gardens and Cultural Identity in a Globalized World (364) Amir Habibullah

Design Implementation | Ellett Valley Room
• The Impact of Climatic Factors on the Efficiency of Low-Impact Development: A Systematical Review of Empirical and Methodological Research (90) Wonmin Sohn, Jun-Hyun Kim, Ming-Han Li
• Building Decision Tree Classifiers to Predict Bioretention Performance (120) Runzi Wang, Ming-Han Li
• Smart Hills: Rethinking the Intersection of Engineering, Ecology, and Landscape in Design (232) Lisa DuRussel
• Energy Gardening: Photoluminescent Applications for Landscape Architecture (127) Carolina Aragon

Service-Learning and Community Engagement | Drapers Meadow Room
• Disruptive Engagement: Exploring Uneven Geographies in Appalachia through Community Engaged Design Research in Landscape Architecture (170) C.L. Bohannon
• Systems Thinking, Collective Intelligence, and Geodesign: The Need for Public Participation (208) Brian Deal, Yexuan Gu
• Design and the Self-Built Landscape: A Vision Plan for the Sustainable Living and Learning Communities at UC Davis (212) David de la Pena
• Leadership and Governance in Organized Gardening Movement in the United States (259) Kyunghee Kim, Terry Clements

People-Environment Relationship | Duck Pond Room
• Designing Urban Cultures’ Nature: Ethnobotanical Gardens in a Multi-Cultural City (18) Brenda Brown
• Living on the Edge: Creating Healthy Public Space for Foreign Domestic Helpers (323) Shanshan Su, Bin Jiang
• Racial and Socioeconomic Distribution of Public Green Ribbon Schools (329) Elizabeth Johnson, Byoung-Suk Kweon
• Re-envisioning Community Outreach Methods (36) Maya Agarwal, Qing Luo

Service-Learning and Community Engagement | Cascades Room
• Together We Plan: Engaging Community in Creating the China Trail Garden at the Acton Arboretum (92) Hongbing Tang
• Places for Welcome and Lived Integration (121) Dietmar Straub
• The Mountaineer Effect: Falling Run Greenspace—Creating a New Central Park in Downtown Morgantown, West Virginia (172) Vaike Haas
• Harvesting Water—Harvesting Community (203) Tsz Wai Wong, Alpa Nawre

Concurrent Education Session 7
10:30 – 11:50

Transforming the Discussion | Drillfield Room
• Feminist Political Ecology and the Challenges of Contemporary Landscape Design (179) Kathleen Kambic
• Topology in Landscape Architecture Theory and Education (270) Anette Freytag
• Restorative Gestalt: Making the Unseen Imagined, the Unheard Felt (314) Hyeung Chang
• Transforming the Surface: A Proposed Theory for Surface Design in Landscape Architecture (82) Mary Pat McGuire

Design Education and Pedagogy | Smithfield Room
• A Call to Action: Career Discovery and Diversity (187) Shawn Balon
• What Should Students Learn for the 21st Century? (189) Sadik Artunc
• Digging to the Root: Distilling Accredited Landscape Architecture Program Specialties to Grow the Profession (184) Shawn Balon
• Developing a Standard for Curricular Evaluation in Landscape Architecture (72) David Barbarash

Landscape Performance | New River Room
• Ubiquitous Landscape Monitoring: Fitting the Landscape with Sensor Technology for Continuous Monitoring and Data Collection (383) Christopher Ellis, Heather Whitlow, Ming-Han Li, Lee Skabelund (Panel)

History, Theory & Culture | Solitude Room
• Generic Terroir: Place Identity in 21st Century Agriculture (143) Forbes Lipschitz
• Sustaining Beauty and Amazing Grace: Reflections on the Lexicon of Landscape Aesthetics in the Anthropocene (155) Eric MacDonald
• Contemporary Research Topics of Landscape Architecture in China (112) Xiaocun Liu, Elen Deming

Design Implementation | Ellet Valley Room
• Reviewing and Critically Assessing the Extent to which Maintenance Regimes Are Considered by Professional Landscape Architects (280) Abigail Leonard, Archania Sharma, Paul Voos
• Overcoming Regulatory Barriers to Nature Play and Learning—Both Real and Perceived—in Child Care Facilities (393) Daniel Jost, Nilda Cosco, Robin Moore
• A Study of the Adaptation of Parametric Design among Landscape Architecture Professionals in Texas (229) Chad Paulson, Taneer Ozwil
• Fabrications: Making and Simulation in Contemporary Landscape Architecture (261) Timothy Baird

Communication and Visualization | Drapers Meadow Room
• Data Visualization in Photography: Stacking (188) Cesar Torres Bustamante
• Beyond the Visual: Evaluating Videography in Design Pedagogy (397) Natalie Yates
• Sequential Narratives: The Comic Vocabulary and the Future of Landscape Representation (313) Chip Sullivan
• Responsibility in Landscape Drawing: Critical Reflections on the Origins and Implications of Representational Methods (274) Danika Cooper, Zannah Matson

People-Environment Relationship | Duck Pond Room
• Student Place Attachment: A Longitudinal Study (47) David Spooner
• A Study of Campus, Community, and the Built Environment (215) Jessica Fernandez
• Exploring the Relationship Between Place Attachment and Therapeutic Landscapes (310) Lily Mank, Kristin Thorleifsdottir, Samuel Dennis

• Activity in Green Space and Children with Autism Spectrum Disorder (357) Dongying Li, William Sullivan

Service-Learning and Community Engagement | Cascades Room
• Transdisciplinary Participative Approach to Tourism and Community Planning (8) Peter Butler, Doug Arbogast, Daniel Eades, Eve Faulkes, Michael Dougherty
• Building Effective Partnerships for Sustainable Landscape Education Programs (11) Bob Brzuszek, Patricia Drackett, Eddie Smith, Simon Powney
• Educating for Process and Partners (165) Kim Douglas, Susan Frosten
• Addressing Open Space Needs and Ecosystem Preservation Using Green Infrastructure Strategies: A Case Study of El Rio Open Space Preserve (202) Margaret Livingston, Alexandra Stoicoff

Concurrent Education Session 8
2:00 – 3:20

Transforming the Discussion | Drillfield Room
• Living Architecture and Landscape Architecture: Adjacencies and Overlaps (109) Reid Coffman, Liat Margolis, Daniel Roehr, Virginia Russell, Lee Skabelund, Michael Sanchez

Design Education and Pedagogy | Smithfield Room
• Design Based Study Abroad: The Critical Step in Fostering Creative Designers (126) Jingyuan Fu, Arthur Rice
• Creating a Studio Culture where Landscape Architecture Students Identify and Maneuver Outside, Their Comfort Zone, Thus Creating More Agile and Expressive Designers (277) Melinda Appold
• Crossing Boundaries: When Private Development Meets the Design Studio (254) Travis Klandike, Andrew Fox, David Hill
• Roleplaying Crises to Create More Resilient Cities (4) Allan Shearer

Urban Design | New River Room
• The Promenade in Nineteenth Century America: Precedent and Form (22) Wendy R. Jacobson
• Barcelona’s Superilles and the Necessity of Participation, David de la Pena
• (392) To Build a Metaphor: Reinterpreting L’Enfant’s Design for the City of Washington (86) Caren Yglesias

History, Theory & Culture | Solitude Room
• Transforming from Cultural Relics to Multiscale Landscape Settings: Research on the Integral Conservation and Exhibition of Cliff Inscriptions in
Mount Taishan of China (129) Youbo Zhuang, Bikun Zhang
- Waterscape as a Cultural Heritage in Rural Chinese Villages (163) Chuo Li, Hong Chen
- The Exploration on the Ecological Ways of Building Construction and Landscape Construction in Traditional Chinese Settlement (391) Yang Deng, Charlene LeBlu

Landscape Planning & Ecology | Ellet Valley Room
- Landscape Architecture and Planning Faculty and Student Roles in Engaging Communities in Watershed Management and Riparian Restoration (269) Timothy Schauwecker, Filippo Gravagno, Caroline Lavoie, Giusy Pappalardo, Hannah Sanger, Christopher Sass, Schauwecker, Filippo Gravagno, Caroline Lavoie, Giusy
- The Role of Plants in Archaeological Sites: Three Transformative Approaches (19) Brenda Brown

Concurrent Education Session 9
3:30 ~ 4:50

Transforming the Discussion | Drillfield Room
- Identifying and Meeting Climate Change Information Needs for Landscape Architects (66) Michael Volk, Gail Hansen, Belinda Nettles
- The Arid Debate: Transforming the “Wet” Discussion (94) Samantha Solano
- Determining and Designing Cultural Aesthetics for Landscape Infrastructure (65) Mary Cadwallender, Nathan Heavers

Design Education and Pedagogy | Smithfield Room
- Desiring Waste: A Pedagogy of Lifecycle Approaches to Waste and Brownfield Transformation (20) Catherine De Almeida
- Current Research in the Field of Living Architecture (132) Virginia L. Russell
- The State of Planting Design in the Field of Landscape Architecture (62) Thomas Schneider, Don Burger, Kyle Franta, Rachel Dietsz, Carter Roberts, Eion Donelan, Josh Goeden

People-Environment Relationship | Duck Pond Room
- The Impact of Land Surface Cover on Neighborhood Microclimate in College Station, TX (158) Wenwen Cheng, Robert Brown
- [In]visible Infrastructure in Rural Landscapes: Cell Phone Towers (191) Cesar Torres Bustamante
- 10’, 35’, and 90’: Multifunctional Landscape in the Compact Manufacturing Plant (326) Shanshan Su, Bin Jiang
- The Role of Heritage in Displacement and Community Resilience (223) Elizabeth Brabec, Sean O'Donnell

People-Environment Relationship | Cascades Room
- The Relationship between Indoor and Outdoor Physical Activities among Full-Time Employees’ Mental Health Status (263) Sevda Ozturk Sari, Patrick Miller, Mehmet Sari
- Fear of Outdoor Falling Associated with Environmental Characteristics and Outdoor Usage among Assisted Living Residents (266) Sungmin Lee, Chanam Lee, Susan Rodiek
- The Role of Plants in Archaeological Sites: Three Innovative Approaches (19) Brenda Brown
- By-Products of the Anthropocene (341) Matthew Tucker

Urban Design | Ellet Valley Room
• Ecological Performance and Sustainability Criteria in Contemporary Urbanism Paradigms: A Comparative Analysis of Landscape Urbanism and New Urbanism (85) Milad Fereshtehnezhad, Sohyun Park, Debajyoti Pati
• Microclimatic Urban Design for Protecting Human Health (176) Kanghyun Lee, Robert Brown
• Finding Invisible Patterns: The Use of a Big Data Approach to Explore Urban Activity (207) Yang Song, Matthew Kirkwood, Jessica Fernandez

Transforming the Discussion | Drapers Meadow Room
• Design Research as a Means for Urban and Environmental Regeneration in Latin American Cities (104) Gabriel Diaz Montemayor, Miguel Angel Bartorila Galetto
• Why Is Landscape Architectural Research Not Read by Practitioners? (276) Bo Zhang, Zhifang Wang
• Landscape Architecture Researchers and Practitioners under Transformation of Pasteur’s Quadrant (123) Yang Feng, Jianjun Liu
• Finding the Way: Transformation through Engaged Dialogue and Action (171) Phillip Zawarua, Daniel Ortega

People-Environment Relationship | Duck Pond Room
• The Legacy of the Settlement-House Movement: Its Social Wellbeing and Welfare Services in Community Garden Planning (292) Soyoung Han, Mintai Kim, Yoonku Kwon, Joong Won ‘James’ Kim
• Native American Agroforestry of the Southeast: As Observed by Hernando de Soto and William Bartram (382) Nathan Heavers, Alex Darr, Katie Trozzo
• From Nature Represented to Nature Reconstructed: A Paradigm Shift (409) Raffaell Sini
• Social and Environmental Determinants of Children’s Outdoor Physical Activity: A Systematic Literature Review (285) Ji Won Nam, David Matarrita-Cascante, Sungmin Lee

Research Methods | Cascades Room
• Landscape Plasticity: A Method for Designing Sao Paulo’s Future Amphibious Landscapes (138) Brian Davis
• Prairie Meadow Establishment and Management for Temperate Piedmont Regions (50) Brad Davis, Jon Calabria, Brian Orland
• Benefits of Granite Fines to Suppress Unwanted Vegetation During Meadow Establishment (378) Jon Calabria, Bradley Davis, Brian Orland
• Interpreting Sense of Place in Daehak-ro, a Cultural District in Seoul (9) Korea Yoonku Kwon, Soyoung Han
Communication and Visualization
- Modeling Landscape Performance (15) Phillip Zawarus
- Re-illuminate Mapping: Recalling Mapping as Representation Medium in Contemporary Landscape Architecture (78) Jisoo Sim, Patrick Miller
- Emergent Visualization in Community Design (88) Tim Castillo, Stan Bertheaud
- A Digital Tool for Helping Students Read the Landscape through Soil Mapping and Visualization (255) Brian Lee, Darrell Schulze, John Graveel, The Isee Network
- (IN)SITE: Digital Experiences of Physical Landscapes (286) Kiley Aguar, Saadia Rais, Brad Davis
- Visualizing Soundscapes: Invisible Agents of Well-Being in the Everyday Urban Landscape (287) Maria Counts
- Applications of Photomontage in Contemporary Landscape Architecture (396) Lauren Schunk

History, Theory, And Culture
- Environmental Aesthetics: A Nonexpert Perspective (343) Sara Hadavi, William C. Sullivan

Landscape Performance
- Microscopic Thermal Map through Transect Survey using a Ventilating T-type Thermocouple, Park (198) Jongoon, Kim , Jun-Hyun, Park, Eunsook, Lee, Dong-Kun
- Collaborative Design Strategies for Stormwater Runoff Heat Removal Using Low-Impact Development (361) Rui Wang, Charlene LeBleu, Amy Wright, Keith Rahn, Mark Dougherty, Jeisson Andreas Orjuela

Landscape Planning and Ecology
- Assessment of Ecosystem Services for Urban Planning Scheme Based on Traditional Ecological Wisdom of Polder Land in Southern China (253) Dai Dai-xin, Zhang Lin, Cao Chang
- People Need Urban Blue Space in Urban Landscape (272) Boyoung Park
- New Method of Practicing Habitat Creation in Ecological Urban Park (294) Guoyu Sun, Chen Liang

People–Environment Relationship
- Supporting Informed Coastal Landscapes: An Assessment of Preferences in Carolina Tidal Creek Communities (139) Adam Walters, Andrew Fox
- Transitional Urban Landscapes (204) Sarah Trautvetter
- Creating a Community of Acceptance: Increasing Job Opportunities and Access to Nature for the Developmentally Disabled in Mexico Missouri (353) Caroline Finck, Anne Beamish

Research Methods
- Material Futures: Alternative Grounds (119) Zaneta Hong

Service Learning And Community Engagement

Sustainability
- Regenerative Gardens: Technologies and Precedents for the Residential Landscape (135) Jospeh Ragsdale, Tyler Reed, Nathan Torres
- The Suitability of Green Infrastructure Strategies to the Arid Middle East: A Design Feasibility Case Study from Jeddah City, Saudi Arabia (152) Abdulmueen Bogis, Dean Bork, Patrick Miller
- A Sponge City Design: Landscape Planning and Design of Peiyang Campus of Tianjin University (344) Pingxiu Zou, Lei Cao, JeanMarie Hartman
- A Study on Green Space Environment under Urban Viaduct: The Case of Wuhan, China (347) Lihua Yin, Ke Wang, Qian Yang

Transforming the Discussion
- By the Sea: Discussing Patterns of Destruction, Retreat, and Rebuilding on the Jersey Shore (144) Alice Sturm, Maria Goula
- Prospect: Beyond Survival—Refugee Resilience Planning for Europe and Beyond (218) Tao Wu, Kristin Schwab
- Informed Consent (231) Ruth Nervig

Urban Design
- Case Studies for Planning and Designing a Thriving Student Farm (41) Rebekah VanWieren