# Engaged Scholarship by Design

*Host:* University of California Davis, Landscape Architecture + Environmental Design  
*Venue:* Sheraton Grand Hotel, Sacramento, CA

## Concurrent Sessions

All papers highlighted in red will be REMOVED if author registration is not received

<table>
<thead>
<tr>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Session 4</th>
<th>Session 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/7 Thursday 8:30-10:00</td>
<td></td>
<td></td>
<td>LANDSCAPE PLANNING AND ECOLOGY ROOM 4</td>
<td></td>
</tr>
<tr>
<td><strong>Research by Design</strong> ROOM 1</td>
<td><strong>History</strong> ROOM 2</td>
<td><strong>Education (panel)</strong> ROOM 3</td>
<td><strong>Education</strong> ROOM 5</td>
<td><strong>Engaged Scholarship</strong> ROOM 6</td>
</tr>
</tbody>
</table>
| Liska Chan, 399, *Braiding Grass: A speculative practice problematizing the pastoral landscape aesthetic*  
Nicholas Sund and Michael Geffel, 271, *Adaptive Social Space: Tactical design in the urban landscape*  
Tori Murphy and Roxi Thoren, 496, *Co-creation with Animals*  
Michael Geffel, 47, *Transitory Public Works: Maintenance as a design instrument in landscape architecture* | Mary Padua, 365, *Trees and “Greening:” The lexicon of political freedom and modern nation-building in China*  
Anna Wik, 343, *The Gambacorta or Town Marsh in New Castle, Delaware: Harnessing and transforming a natural resource*  
Farzaneh Khayat and Margaret Bryant, 199, *Landscape for Equal Play in Nature: Equitable connections to children’s play spaces in Syracuse, New York*  
Morgan Davis-Kollman and Yang Song, 261, *Oil Spill Armature: Creating resilient tribal community through hydraulic modeling and conservation planning*  
Jane Futrell Winslow, 334, *Realizing Cultural Ecosystem Services Through Green Infrastructure* | Hope Hui Rising, 405, *Multi-Level Design Games for Future-Proofing Post-Flood Cities: Houston as a test case*  
Brendan Stewart, Karen Landman, and Daniel Rotsztain, 216, *PlazaPOPS: Tactical urbanism in a vibrant suburban Toronto strip-mall parking lot*  
Michael Sánchez and Robert Krikac, 353, *Rural Community Design Initiative (RCDI): A model in transdisciplinary community engagement, participatory design process and experiential learning* |
<table>
<thead>
<tr>
<th>ROOM 7</th>
<th>EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniel Cronan, 298, <em>The NEXUS Studio: A synergistic pedagogical approach for integrating research and evaluating learning in a landscape architecture studio</em></td>
<td></td>
</tr>
<tr>
<td>Arthur Rice, Hossein Saedi, and John Nietfeld, 147, <em>Building an Understanding of How Design Studios Promote Cognitive Development and Creativity</em></td>
<td></td>
</tr>
<tr>
<td>Susan Tomizawa, 234, <em>Tapping into the Affective Domain to Shape Student Values: Personalizing the loss of biodiversity</em></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROOM 8</th>
<th>PEOPLE AND ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jules Bruck and Anna Wik, 390, <em>Coastal Resilience Design Studio: Force Multiplier in Statewide Engagement</em></td>
<td></td>
</tr>
<tr>
<td>Omar Faruque, 15, <em>The Influence of the Riverine Ecology and its Landscape Surroundings on the Work of Rabindranath Tagore</em></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROOM 10</th>
<th>RESEARCH BY DESIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judith Stilgenbauer, 403, <em>Public-Interest Design as Applied Research: The case of Wahiawa Freshwater Park</em></td>
<td></td>
</tr>
<tr>
<td>Emily Vogler, 382, <em>Littoral Commons: Using art and design to shape the future of the water’s edge</em></td>
<td></td>
</tr>
<tr>
<td>Simon Bussiere and Zachary Streitz, 440, <em>An Ecotourism Model for Kekaha Kai State Park, Hawai‘i Island</em></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROOM 14</th>
<th>EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter Petschek, 11, <em>Digital Grading Education as an Access Road to BIM in Landscape Architecture</em></td>
<td></td>
</tr>
<tr>
<td>Christopher Marlow, 504, <em>Engaging the Fight for BIM in Landscape Architecture</em></td>
<td></td>
</tr>
<tr>
<td>Howard and Brent Chamberlain, 276, <em>Konza Studio: A pedagogical retrospective</em></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROOM 15</th>
<th>RESEARCH METHODS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sinan Zhong and Chanam Lee, 138, <em>Intergenerational Communities: A systematic literature review of intergenerational interactions and older adults’ health-related outcomes</em></td>
<td></td>
</tr>
<tr>
<td>Shan Jiang, David Allison, and Andrew Duchowski, 117, <em>Natural Views and the Impacts on Wayfinding: A study of hospital circulation spaces through immersive virtual environment technology</em></td>
<td></td>
</tr>
<tr>
<td>Li Tan, Shiyang Zhang, and Danzi Wu, 76, <em>Impression of Hutong: Research on the value recognition of contemporary Hutong landscape based on community public participation methods</em></td>
<td></td>
</tr>
<tr>
<td>Pai Lui, Yang Song, and Matthew Powers, 272, <em>The Integration of Behaviors Mapping and Connectivity measures: A new method for interpreting healthcare environments</em></td>
<td></td>
</tr>
</tbody>
</table>
SESSION 2
3/7 Thursday 1:30-3:00

RESEARCH BY DESIGN ROOM 1
Jamie Vanucchi and Sarah Dooling, 360, Positioning Design Research for an Uncertain Future
Sean Burkholder and Brian Davis, 346, Healthy Port Futures: Design research as a foundation for project collaboration
Mick Abbott, 191, Designlab 2012-18: An ongoing experiment in design-directed landscape architecture research
Nicholas Pevzner, 356, Rethinking Resiliency in Puerto Rico

LANDSCAPE PERFORMANCE ROOM 2
Louise Mozingo and Renata Valente, 132, Greenstreets in Campania, Italy: Lessons from urban stormwater best practices in the United States
Chensong Lin, Yongyu Chen, and Jialun Yan, 190, The Research of Stormwater Regulation Efficiency of the Low Impact Development of the Suburban Park based on the SWMM
Jueminsi Wu and Mary Padua, 361, Investigating China’s Sponge City and the Significance of Groundwater: A review of the literature
Kirk Dimond, Greg Barron-Gafford, and Margaret Livingston, 14, Maker Space for Environmental Monitoring

EDUCATION ROOM 3
Clare Cooper Marcus, 328, Reflections on the Education of Landscape Architecture Students
Keith Christensen, 3, Revisiting Scholarly Production Among Recently Tenured Landscape Architecture Faculty
Umit Yilmaz, 425, Learning and Scholarship Beyond Boundaries
Stephanie Rolley, 482, Professors of Landscape Architecture: Where and who are they?

ENGAGED SCHOLARSHIP ROOM 4
Vaike Haas, 88, Reconnecting Walking and Biking Routes to School: Suncrest Elementary School, West Virginia
Shiyang Zhang, Danzi Wu, Liang Li, and Xiangrong Wang, 124, Dashilar Micro-Renewal Plan
Sophia Meeres, 332, Arklow: Forest River Main Street Beach
Brad Collett, 486, Engaging a Legacy in the Tennessee River Valley

HISTORY (panel) ROOM 5
M. Elen Deming, W. Lake Douglas, Kofi Boone, Harriet Jameson Brooks, and Nicholas Serrano, 281, Symbols of Division: Deploying narratives and counter-narratives in public space

ENGAGED SCHOLARSHIP (panel) ROOM 6
Joshua Cerra, Victoria Chanse, Chingwen Cheng, Kevan Klosterwill, and David Pitt, 313, Engaged Scholarship to Catalyze Adoption of Design Strategies for Climate Change Adaptation and Mitigation – Part 1

PEOPLE AND ENVIRONMENT ROOM 7
Jeffrey Hou, 250, Understanding Park Uses in an Inner-City Ethnic Neighborhood: Post-occupancy evaluation of two Chinatown parks in Seattle
Kenneth Hurst, 474, Location-specific Amenity-based Physical Activity in Public Parks and Playgrounds
Keunhyun Park, 33, Park and Neighborhood attributes Associated with Park Use: An observational study using unmanned aerial vehicles (UAVs)
Hala Nassar and Robert Hewitt, 460, Assessment of Public Space Visitor Attitudes on the Presence of Unmanned Aerial Vehicles (UAVs)
PEOPLE AND ENVIRONMENT

Sylvia Janicki and Ken Yocom, 59, Displaced by Illness: Exploring narratives of chronic illness for a more inclusive built environment
Anna Maria Vissilia, Theodora Porfyraki, and George Papadopoulos, 392, Assessing the Value of Outdoor Space in Nursing Homes: A case study for Athens Geriatric Home (Greece)
Eric Bardenhagen and Robert Brown, 500, Microclimatic Design of Outdoor Places for Seniors
Pongsakorn Suppakitpaisarn, Brian Deal, Chun Yen Chang, and William Sullivan, 462, Green Stormwater Infrastructure in Urban Landscapes: Perceptions, preference, and vegetation density

HISTORY

Richard Hindle, 8, Learning From Venice: An environmental and urban innovation model from the lagoon city
Sungkyung Lee, 469, How did the Western Ideas of Public Parks Travel through Japan and into Korea?

RESEARCH BY DESIGN

Kees Lokman, 91, Shifting Shorelines: Adaptation strategies for the Fraser Basin Delta
Kathleen Kambic, 235, Water and Infrastructure in the American West
Abigail Anacki, Jacob Mitchell, and Kristi Cheramie, 319, Patent Legacies and Wastewater Futures
Daniel Roehr and Amalie Lambert, 12, Climate, Stormwater and the Pacific North West: Reimagining water management and community on Vancouver’s North Shore

LANDSCAPE PERFORMANCE (panel)

Megan Barnes, Catherine De Almeida, Lisa DuRussel, Anya Domlesky, and Susannah Ross, 87, Designed to Flood: Evaluating the resilience of waterfront parks

RESEARCH METHODS

Kanglin Chen and Yaohua Chen, 28, Evaluating the Implementation of Master Planning of National Parks of China
Fangzheng Li and Shiyi Guo, 100, Integrating Ecosystem Services Demand with Landscape Ecological Security: A green space pattern optimization approach in central Beijing
David Tulloch and Wansoo Im, 317, Comparing Parks Using Twitter
Andy Kaufman, 400, Aloha of Sustainability: Researching green roofs and living walls for Hawaii
SESSION 3
3/7 Thursday 4:00-5:30

RESEARCH BY DESIGN
Karen Lutsky and Sean Burkholder, 409, Curious Methods: Contextual interrogation as design
Martin Koelsch, 175, A Garden of Conscientious Intervention
Timothy Baird, 297, The Landscape Lab: Urban vacancy as testing ground
Brett Milligan, 83, Design Fieldwork

HISTORY
Jacquelle Margetts, 458, Plantspace: The monocot-driven designs of Ted Smyth
Xiao Yao, 464, Plant Landscape and Management System of Beijing Royal Gardens, Qing Dynasty
Pablo Pérez-Ramos, 229, The Expanded Field of Botany: Agronomy and ecology in the Bordeaux Botanic Garden

EDUCATION (panel)
Ned Crankshaw, Michael Seymour, Matthew Powers, Tasha Cotter, Brian Lee and Jordan Phemister, 112, Recruiting Students into Undergraduate Programs in Landscape Architecture: Predictive data, methods, and tracking

EDUCATION
Amitabh Verma, 248, Manual Skills,
Technological Present: Identifying the place of hand graphics in landscape architecture today
Lijun Hao, Ming-Han Li, Zhetao Xiao, and Jinyoung Wu, 90, A Case Study of Information-based, Technologically Mediated Teaching Methods in Landscape Architecture Design Course
Benjamin George, Peter Summerlin, and Taz Fulford, 240, Software and Technology Use in the Field: How educators can best equip students for practice

ENGAGED SCHOLARSHIP (panel)
Joshua Cerra, Victoria Chanse, Chingwen Cheng, Kevan Klosterwill, David Pitt, 313, Engaged Scholarship to Catalyze Adoption of Design Strategies for Climate Change Adaptation and Mitigation – Part 2

PEOPLE AND ENVIRONMENT
Joanne Westphal, 404, Diffusion Theory: The use of theory to predict public acceptance and adoption of green roofs
Maria Counts, 414, Beyond Beauty: Interpreting Lawrence Halprin’s Greenville Main Street through the sounds of social exchange
Jessica Fernandez, 21, Touching Base with American College Towns: A qualitative look at the built environment from campus and community perspectives
Yuanqiu Feng and Yun Hye Hwang, 432, Mangroves for Whom?: A comparison of urban greening initiatives in an informal settlement
PEOPLE AND ENVIRONMENT  ROOM 8
Mariami Maghlakelidze, Shan Jiang, Yang Song, and Dongying Li, 116, Nature at Playground and the Impacts on Children’s Play Behaviors: A comparative case study
David Watts, 267, White Brain Matter and Play
Xiangrong Jiang Jiang, Chun-Yen Chang, and William Sullivan, 476, Effects of Green Infrastructure on Directed Attention Recovery
Bin Jiang, Jielin Chen, Jibo He, Hua-qing Wang, and Christ Webster, 370, A Trade-off Effect: Comparing impacts of a variety of freeway landscapes on drivers' driving performance and self-reported mental status

URBAN DESIGN  ROOM 9
Adele Pierre, Nadia Amoroso, and Sean Kelly, 13, Geodesign Application: Using a rule-based design approach for wiser urban design outcomes
Dominic Fischer, Carlos Montoya, and Yang Song, 358, Utilizing Two-Dimensional Path Of Travel Prediction Software To Optimize Desirable And Efficient Infill Of Declining Shopping Mall Sites.
Ben Shirtcliff and Yuanyuan Su, 198, Harnessing Big Data for Post-Occupancy Evaluation of Public Space

RESEARCH BY DESIGN  ROOM 10
Elise Shelley, 64, Re-Imagining Rubber
Forbes Lipschitz, 20, Creature (dis)Comforts: Slaughter as design practice
Catherine De Almeida, 227, Landscape Lifecycles as a Speculative Design Research Practice Toward Waste Conditions
Robert Hewitt and Hala Nassar, 463, Design Research Based Development of Camouflage Landscape Features to Prevent Criminal UAV Activity

LANDSCAPE PLANNING AND ECOLOGY  ROOM 14
Alison Tompkins and Gary Austin, 24, Designing a Sustainable Constructed Wetland to Treat Wastewater for the City of Juliaetta, Idaho
Steven Greco, 152, Landscape Conservation Planning and Design: An engaged scholarship program
A. Haven Kiers and Shannon Still, 456, Living Landscape Adaptation Plan: Campus planning in the face of climate change
Julia Badenhope, 467, “Place-ing” GeoDesign
SESSION 4
3/8 FRIDAY 8:30-10:00

RESEARCH BY DESIGN ROOM 1
Matthew Seibert, 156, Gaming Landscape Representation: Creating knowledge through game engine model systems
Stephanie Carlisle, 123, Uncertain Futures: Using scenarios to untangle ecological systems
Justin Parscher, 308, Confidence Games: The Ethics of the design fiction
Leonard Yui, 293, Designing with Preservation: A Gilded landscape in the age of ecology and sea level rise

HISTORY ROOM 2
Soyoung Han, Joong Won Kim and Yoonku Kwon, 446, The Concept on the Contemporary Publicness of Architecture and Urban Space of South Korea
Chad Lorentzen and Daniel Cronan, 461, The Problem of Designing Public Spaces: Iconoclasm, anti-monumentalism and opening narratives
Behnaz Avazpour, Paul Osmond, and Linda Corkery, 35, Transition from Private Gardens to Public Space
Ran Zhang, Bo Zhang, and Xun Zhu, 214, Evolution of Dalian Urban Squares

EDUCATION ROOM 3
Dorna Eshrati and Kerry Priest, 269, Who I Am and What Do I Do as a Designer?: Integrating leadership skills with environmental design learning
Kendall Mainzer and Alexandria Chomyn, 355, Landscape Architecture Leaders: Effective engaged recruitment & development
David Evans and Sean Michael, 454, Remaking The Impoverished Student ASLA Chapter: A case study in fiscal resources and leadership

ENGAGED SCHOLARSHIP (panel) ROOM 4
Jacques Abelman, Yekang Ko, Kory Russel, and Junhak Lee, 94, Landscape for Humanity: New design pedagogies for critical landscape engagement

EDUCATION ROOM 5
Catherine Brinkley and Meghan Klasic, 351, Transmission of Knowledge from Study Abroad Field Learning Sustainable Urban Development
Carolina Aragon, 81, Material Experiments in Landscape Architecture: Tinkering with algae, waste & electronics
Zhihan Tao, Galen Newman, Arnold Michael, Wonmin Sohn, Lingyue Cao, Ming-Han Li, and Jun Hyun Kim, 57, The Living Green Infrastructure Lab: Advancing interdisciplinary teaching and professionalism in landscape architecture pedagogy
Cathi Schar, 441, Proof of Concept: Waipahu transit oriented development collaboration

ENGAGED SCHOLARSHIP (panel) ROOM 6
Jeffrey Hou, Kofi Boone, Mallika Bose, David de la Peña, and Michael Rios, 245, Educating Design Activists in Landscape Architecture

PEOPLE AND ENVIRONMENT (panel) ROOM 7
Elizabeth Boults, Marc Treib, Clare Cooper-Marcus, Achva Stein, and Deborah Giraud, 119, The Meaning of Gardens, Revisited

PEOPLE AND ENVIRONMENT ROOM 8
Bruce G. Sharky, 29, Hiding in Plain Sight: The importance of shadow (awareness) in landscape architecture design
Joshua Goeden and Don Burger, 34, The Role of Landscape Architecture in Cognitive Mapping
Gabriel diaz Montemayor, 232, The Reach of a Public Mile: A case study in Latin American landscape architecture practice
Elizabeth Macdonald, 160, Water's Edge
Promenades: Physical, social and ecological design characteristics
Ryan Sandwick and Jayoung Koo, 265, Reimagining Manchester, Kentucky: An urban design foundation for rural downtown revitalization
Saehoon Kim and Seonghun Min, 75, Regenerating a low-rise residential district in Seoul, South Korea: Participatory design and planning for communities
Wenhai Zhang and Liang Li, 189, Research on the Historical Place of Dashilar Street in Beijing from the View of Green Micro-Update

Barry Lehrman, 300, Patterns in the Dust: parametric design of large-scale dust mitigation and ecological restoration
Caroline Westort, 389, Parametric Design of Farms for Reducing Nitrate Runoff
Marc Miller, 468, Remote Sense and Sensibility
Fadi Masoud, 97, Coding Flux

Myungjin Shin and Jeong-Hann Pae, 104, The Role of Landscape in the Experience of Sculpture Parks: The Case of Storm King Art Center and Socrates Sculpture Park, NY
Kevan Klosterwill, 18, The Animal in the Landscape: From Image to Agent
Susan Herrington, 43, Objects of Affection: Beauty in the work of Claude Cormier + Associates
Anette Freytag, 270, The Gardens of La Gara – An 18th century estate in Geneva with contemporary gardens designed by Erik Dhont and a labyrinth by artist Markus Raetz

Heather Whitlow, Jessica Canfield, and Bo Yang, 224, Guidebook 2.0: The Evolution of Landscape Performance Evaluation Metrics and Methods
SESSION 5
3/9 SATURDAY 8:30-10:00

RESEARCH BY DESIGN  ROOM 1
Emily Knox, 411, Super-wicked Landscape [Architects]
Fionn Byrne, 98, Uprooting Stowe: Designing new histories for the 18th century English landscape
Xi Zhang and Xiangrong Wang, 174, Research on the Renewal Strategy of Park’s Boundary under the Background of Urban Regeneration: A case study of urban parks in Beijing North Central Axis District
Laura Noel, 320, A Holistic Approach to Landscape Architecture: Recollecting forgotten narratives

URBAN DESIGN (panel)  ROOM 2
Thomas Schurch, Taner Ozdil, Allyson Mendenhall, John Gibbs, and Michelle Eichinger, 211, Urban Design in Landscape Architecture: Taking the pulse in education and practice

EDUCATION (panel)  ROOM 3
Kofi Boone, Ken Yocom, Megan Barnes, David Gooze, 285, Recruitment and Retention in Undergraduate Landscape Architecture Education

ENGAGED SCHOLARSHIP  ROOM 4
Mark Lindquist, 280, Co-designing Resilience: Engaging residents in the design and application of a video game-based decision support system
Kris Fox, 128, Design Emancipation Technology: Giving purpose to BIM/LIM through community-based design
Carolina Segura Bell and Barb Young, 200, Branching Out: Engaging community through interdisciplinary, vertical, collaborative design charrettes
Maren King, Robin Hoffman, and Elena Juodisius, 268, The Evolving Dynamics of the Engaged Scholarship of Sustainable Community Development

EDUCATION  ROOM 5
David Barbarash and Sean Rotar, 391, Integrated Project Assessment and Effectiveness
David Smith and Wolfram Hoefer, 455, Teaching Formal Frameworks for Structuring Planning and Design Objectives for the Regional Scale
Celen Pasalar, Anna Grace Fitzgerald, and Renae Mantooth, 470, Systems Thinking and Transdisciplinary Learning through Community-Based Engagement Projects Integrated in Landscape Architecture Pedagogy

ENGAGED SCHOLARSHIP  ROOM 6
Rebekah VanWieren, 495, Vacant Land Regeneration on Reservation Land
Bob Scarfo, 37, Setting New Research Agendas: Building resilient communities on resilience in youth
Holly Nelson, Christina Kaunzinger, JeanMarie Hartman, Edwin Gano, Lena Struwe, and Laura Lawson, 354, Engaged Learning in the Campus Landscape
C.L. Bohannon, 487, Utilizing the Residential College Model to Fuse Leadership, Social Change and Community Engagement

PEOPLE AND ENVIRONMENT (panel)  ROOM 7
Chanam Lee, Sungmin Lee, Robert Brown, Forster Ndubisi, William Sullivan, Jun Hyun Kim, Naomi Sachs, 151, Landscape Architecture for Health: Weaving health into landscape architecture research
PEOPLE AND ENVIRONMENT  ROOM 8
Wenwen Cheng and Robert Brown, 176, *Designing UV Healthy and Thermally Comfortable Schoolyard Environments in Low Latitude Urban Areas (College Station, TX)*
Michael McCullough, Michael Martin, and Mollika Sajady, 180, *Building the Outside-in Classroom*
Nathania Martinez Gonzalez and Alpa Nawre, 111, *Lessons for Designing Outdoor Classrooms for Middle-school Students*

HISTORY  ROOM 9
Fernando Magallanes, 303, *The Dying Hand: Between biology, psychology, and the future of the environment*
Alberto de Salvatierra, 230, *Landscape Architecture Theory as Children’s Storybooks: Educating the youngest generation of designers*

RESEARCH BY DESIGN  ROOM 10
Rob Holmes, Kathleen Kambic, Mary Pat McGuire, Kristi Cheramie, and Brett Milligan, 357, *Research by Design Track Discussion*

RESEARCH METHODS  ROOM 11
Samantha Stewart, Peter Miniutti, and Natalie Gray, 206, *Evaluating the Success of Making Equitable, Predictable, and Transparent Development Decisions by Encouraging Community and Stakeholder Collaboration* *Through Two Participatory Design Case Studies*
Sarah Little and Adina Cox, 329, *Advancing Design Research: Creating a new framework from three approaches to case study research*
Jun-Hak Lee, 431, *Automated Individual Tree Detection and Canopy Segmentation in an Urban Context using Airborne LiDAR Data*
Yalcin Yildirim, 449, *Associations between Sound and Transit Oriented Developments*

LANDSCAPE PERFORMANCE  ROOM 12
Phillip Zawar, 22, *Quality over Quantity: Assessing tree health for higher performance in desert parking lots*
Jonghoon Park, Jun-Hyun Kim, Ming-Han Li, Dong-Kun Lee, 217, *Spatial Cooling Ranges of Small Green Spaces using a T-type Thermocouple Sensor*
Stephen Wheeler, John Dialesandro, Yaser Abunnasar, 326, *Dynamics of Heat Islands for Dryland Cities and Implications for Mitigation*
Ian McRae, Frank Freeman, and Ana Rivera, 402, *The Effects of Urban Morphology and Meteorology on Building-scale Design in a Changing Climate*

COMMUNICATION  ROOM 13
Jacob Mitchell, 339, *Measured Perspective: A survey of point-clouds for landscape*
Aidan Ackerman, 19, *Paving the Way for Building Information Modeling (BIM) Adoption in Landscape Architecture*
Evan Lanning and Blake Belanger, *Revealing the Fracklands: A framework for addressing the wicked problems of hydraulic fracturing*

SUSTAINABILITY  ROOM 15
Hong Wu and John Hall, 144, *Exploring Maintenance-Friendly Planting Design For Green Stormwater Infrastructure*
Ebru Ozer and Berrin Tansel, 401, *Climate Considerations for Design, Implementation, and Maintenance of Green Stormwater Infrastructure in Urban Areas*
SESSION 6
3/9 SATURDAY 2:00-3:30

RESEARCH BY DESIGN ROOM 1
Timothy Baird, 302, Design AS Research: Adopting creative work as a viable path to tenure
Samantha Solano, 63, Distinguished Landscapes: A comparative spatial atlas of ASLA’s award winning projects from 1981-2018.
Marc Treib, 46, Better than Just Research: Humanistic practice
Rod Barnett, 149, On Not Knowing What You Are Doing

HISTORY ROOM 2
Eunshin Son and Jeong-Hann Pae, 106, Expanding the Definition of the Contemporary Memorial Designed for the Public Memory
Yasmin Fozard, 135, From Slavery to Freedom Hill and Beyond
Martin Holland, 479, Problematic Statuary in the Canadian Context: The legacy of Sir John A. MacDonald.
Zhe Li, Kaiyu Shao, Feifei Chen, and Xiao Han, 105, On the Design Concept of Commemorative Landscape Based on the Teenagers’ Cognitive Features in Contemporary China: A case study of Mashan Martyrs’ Park

EDUCATION ROOM 3
Max Marshall, Jacob Lindsay, and Jane Burry, 54, DataScapes: A landscape architectural workshop incorporating environmental data capture into the design process
Iryna Dronova, 154, Inspiring Urban Design Innovation with Microclimate Research Tools
Natalie Yates and Peter Ellery, 150, Drones In (and Out of) the Classroom: Experiences and outcomes of a UAS technologies course and beyond
Drew Hill, Benjamin George, and David Evans, 394, How Virtual Reality Impacts the Landscape Architecture Design Process at the Site-scale during the Phases of Analysis and Concept Development

LANDSCAPE PLANNING & ECOLOGY ROOM 4
Travis Flohr, 23, Wildfire Risk Reduction: Evaluating local government’s implementation of wildfire risk reduction best practices in the American West
Yiwen Han, 10, Role of Landscape Pattern of Current Forests in affecting the Habitat Quality of Historical Remnants in a Highly Urbanized Area: Seoul (1972-2015)
Behnoud Aghapour, 215, Assessment of Expanding Light Rail Transit (LRT) Versus Highway: Influence on land use change and habitat fragmentation

EDUCATION ROOM 5
Gerhard Griesel, 72, A Framework for Enhancing the Design Skill Sets of Foundation Programme Landscape Architecture Students
Hope Hasbrouck, 422, Volume Reboot: A framework for fundamental design exercises
Bambi Yost and Jon Hunt, 423, Helping Students Overcome Fears and Obstacles in Beginning Design Classes

ENGAGED SCHOLARSHIP ROOM 6
Jayoung Koo, 228, A Balancing Act: Scoping out the boundary between service-learning and community design
Blake Belanger and Howard Hahn, 294, Eight Years of Engaged Scholarship in Community Planning and Design Studio
Will Green, 304, Interdisciplinary Studios, Problem-solving with a Focus: Collaboration, engagement and communication for creating sustainable places
Anne Taufen and Jennifer Arnold, 323, Constructing Grounded Practice: Roadmap to civic engagement, UW livable city year, and the community planning studio
PEOPLE AND ENVIRONMENT  ROOM 7
Sara Hadavi, Paul Gobster, Alessandro Rigolon, and William P. Stewart, 413, Greening Vacant Lots, Visual Quality and the Issue of Crime in Urban Residential Areas: A longitudinal study
Robert Ryan, Paige Warren, and Brenda Bushouse, 62, Re-connecting Local Residents to Urban Forests: Implications for place attachment, ecology, and stewardship
Xiyue Wang, Shiyang Zhang, and Xiangrong Wang, 387, Interstitial Urban Space: Strategic framework of urban wildscape in the context of living environment

PEOPLE AND ENVIRONMENT  ROOM 8
Mei Yang and Zhaoyang Feng, 68, Comparative Study on Spatial Forms of Ancient Waterside Towns Based on Google Earth Pro: Taking the example of Qingmunchuan, Fenghuang and Houliu in Southern Shaanxi, China
Sijie Wang and Xiong Li, 127, Low Impact Development of Green Space in Shallow Mountain Area--Based on Water Balance
Lingyun Liu, Hongqian Wang, Bo Yang, and Qingqing Wei, 172, Children’s Daily Activities, Spatiotemporal Characteristics, and Daily Life-Sphere Structure: A case study of Wuhan, China

EDUCATION  ROOM 10
Carla Delcambre, Andrew Fox, and Jesse Turner, 283, Design + Build at a Land Grant University
Dan Li, Mintai Kim, and Cermetrius Bohannon, 442, Exploring Education for Sustainability in LAAB-accredited Landscape Architecture Programs
Frederick Lutt, 107, Co-operative Education for Master of Landscape Architecture: Challenges and opportunities
Kristopher Pritchard and Maria Bellalta, 136, Building Relationships Between LAAB-Accredited Programs and Community Colleges

HISTORY  ROOM 11
Costis Alexakis, 364, Landscape Architecture and Advocacy in the Early 1900s
Virginia Russell and Sadaf Khalil Zare, 366, Current Position of Women in Landscape Architecture Profession. (With emphasize on women principals)
Gabriel Diaz Montemayor, 226, On the Shaping of a Latin American Landscape Architecture

LANDSCAPE PERFORMANCE  ROOM 12
Bo Yang, Yi Luo, and Shujuan Li, 53, Social Benefits Assessment: Comparing Project Goals with Outcomes
Jessica Canfield and Scott Randall, 290, Material Selection in Landscape Architecture Practice
Xin Jiang and Xiangrong Wang, 55, *Visual Communication: Application research of virtual reality technology in landscape exhibition*

Andrea Galinski, 398, *The Role of Landscape Visualization in Large-Scale Ecological Restoration Planning: A review of Louisiana’s Coastal Master Plan*

Brent Chamberlain and Howard Hahn, 278, *Konza StudioVR: Developing the virtual reality environment*

Howard Hahn and Brent Chamberlain, 276, *Konza Studio: A pedagogical retrospective*
SESSION 7
3/9 SATURDAY 4:00-5:30

RESEARCH BY DESIGN  ROOM 1
Alyssa Schwann and Jan Haenraets, 36, A Museum of Anthropology: Conflicted iconography, contested land
Peter Ellery and Jane Ellery, 48, Redefining Education in Africa: Creating African-centric learning environments through culturally identifiable landscapes

HISTORY  ROOM 2
Yujia Zhong, 342, The Influence of Traditional Ecological Water Conservancy Facilities on Landscape Patterns of Cities and Regions: A case study of Linfen Basin Area
Bo Zhang, 410, Codifying McHarg’s Aesthetics from Six Projects
Ann Komara, 480, Civilian Conservation Corps: Landscape documentation in the Allegheny National Forest
Stefania Staniscia, 347, Challenges of Adapting the Landscape Character Assessment Method to a Case Study in West Virginia

EDUCATION  ROOM 3
Ann Hildner, 336, Engaging Landscapes with Words: The use of language as a design tool in landscape architecture education
David Zielnicki and Daniel Roehr, 412, Topographic Literacy: Outreach, innovation, and accessibility in contemporary grading & drainage education
Joern Langhorst and Leila Tolderlund, 291, The Deep Read: Towards a cross-cultural immersive understanding of place

LANDSCAPE PLANNING & ECOLOGY  ROOM 4
Qingwei Cui, 212, Quarry Landscape: Study on landscape morphological characteristics of abandoned quarries in North China and the public aesthetic cognition
Patrick Miller and Jisoo Sim, 416, Scenic Viewsheds: Making the turn
Penelope Cottrell-Crawford, Kelly Cederberg, Philip Stoker, and Penelope Cottrell-Crawford, 321, Impacts of Golf Course Land Use Change on Residential Property Values

EDUCATION  ROOM 5
Lora Martens, 436, Community Focused Design on Campus: A complex and safe place for examining tough subjects and testing ideas in community design
Deni Ruggeri and Ellen Fetzer, 30, The Digital Classroom as Landscape Democracy Arena: Toward a socially transformative pedagogy in design and planning
Haven Kiers, 129, Nature Rx: Improving health by spending time outside

ENGAGED SCHOLARSHIP  ROOM 6
Shelley Cannady, 472, Reaching Out, Reaching In: Reciprocal meaning and relevance in community design
Katie Kingery-Page. Donna Schenk-Hamlin, Brandon Irwin, and Riccardo Prudenti, 408, Revealing the Story (Stories) of Housing in a Public Dialogue
Dominc Fischer and Meghan Kirkwood, 369, Engaged Fields: Through landscape photography and landscape architecture links
Theodore Eisenman, 93, Engaged Scholarship in Urban Greening Theory & Practice
PEOPLE AND ENVIRONMENT  ROOM 7
Stephen Mainzer, Kendall Mainzer, and Alexandria Chomyn, 85, *Assessing the State of Landscape, Community, and Behavior Inquiry in Landscape Architecture Practice*
Nikolas Smilovsky and Sam Striker, 251, *Predicting the Geography of Behavior*

PEOPLE AND ENVIRONMENT  ROOM 8
Gareth Doherty, 498, *Landscape Fieldwork*
Olivia Shotyk, 375, *Indigenous Design and the Creative Process: Representing the "voices of the land" in North American landscapes*

URBAN DESIGN  ROOM 9
Carey Clouse and Zach Lamb, 259, *Revisiting the Batture: Risk aware urbanism in New Orleans*
Wendy R Jacobson, 277, *Close or Cul de Sac? Alternative Visions for the Suburb*
Scott Carman, 244, *Flipping the Script: Academic and civic dividends of an 'inverted' urban design process*
Shannon Bassett, 383, *Designing the Village Tapestry Weaving Landscape and Ecological Urbanism, Informed by Engaged Scholarship*

SUSTAINABILITY  ROOM 10
Yekang Ko, 331, *Resolving Conflicts of Greens in Energy Landscapes: The Role of innovative design and spatial planning*
Bianjie Ji and Mallika Bose, 484, *Residential Preference, Residential Satisfaction and Sustainability: Lessons from a campus town*
Gary Austin, 84, *European Green Capitals: Performance in sustainable development*
Paul Coseo, 130, *An Urban Climate Design for More Thermally-Comfortable and Equitable Communities*

HISTORY  ROOM 11
Zheng Li, 50, *Regulating Hillside Development in Metropolitan Areas: The Los Angeles experience*
Terry Clements and Aylin Alisan Yetkin, 499, *Impact of Contemporary Agriculture on Cultural Landscape Change*
Roxi Thoren, 263, *The Unknown Unknowns: Lessons from the anthracite trail*

LANDSCAPE PERFORMANCE  ROOM 12
Yi Luo and Bo Yang, 56, *Doing Real and Permanent Good: Examining landscape performance benefits from an ecological wisdom perspective*
Tiezheng Zhao, Yang Zhao, Ming-han Li, 95, *Landscape Performance for Coordinated Development of Rural Communities & Small Towns Based on "Ecological Priority and All-Area Integrated Development" Guideline: A case study in East Zhejiang, China*
Jason Sowell and Matthew O'Toole, 173, *Test Site: Integrating fuel mitigation and ecosystem services in the McDonald Observatory Wildfire Protection and Landscape Framework Plans*
Brad Davis and Matthew Quirey, 204, *Rethinking Georgia Roadsides: A pilot study of perennial wheat*
COMMUNICATION  ROOM 13

Anna Thurmayr, 140, *From Pigment to Pixel: Artwork as rendering and modeling inspiration*

César Torres Bustamante and Joseph Ragsdale, 243, *Photographic Techniques to Reveal and Articulate Landscape Phenomena*

Anne C Godfrey, 282, *A Step towards Multiplicity: Photography for complexity*

Riccardo Prudenti and Katie Kingery-Page, 421, *Effective Visual Representation: Graphic style and the communication of design intent*