### Engaged Scholarship by Design

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

### Concurrent Sessions

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Xiao Yao, 464, *Plant Landscape and Management System of Beijing Royal Gardens, Qing Dynasty*  
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**LIJUN HAO**, 90, *A case study of information-based, technologically mediated teaching methods in landscape architecture design course*

**BENJAMIN GEORGE**, 240, *Software and technology use in the field: How educators can best equip students for practice*

**REBECCA MYERS**, 415, *A review and taxonomy of design thinking tools appropriate to stakeholder engagement, problem re-framing and idea generation in landscape architecture: A resource for instructors*

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

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Kathleen Kambic, 235, *Water and Infrastructure in the American West*

Abigail Anacki, 319, *Patent Legacies and Wastewater Futures*

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Alison Tompkins, 24, *Designing a Sustainable Constructed Wetland to Treat Wastewater for the City of Juliaetta, Idaho*

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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*

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Chad Lorentzen, 461, *The Problem of Designing Public Spaces: Iconoclasm, Anti-Monumentalism and Opening Narratives*
Behnaz Avazpour, 35, *Transition from private gardens to public space*
Ran Zhang, 214, *Evolution of Dalian Urban Squares*

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Carolina Aragon, 81, *Material Experiments in Landscape Architecture: tinkering with algae, waste & electronics*
Zhihan Tao, 57, *The Living Green Infrastructure Lab: Advancing Interdisciplinary Teaching and Professionalism in Landscape Architecture pedagogy*
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### PEOPLE AND ENVIRONMENT  
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Susan Herrington, 43, *Objects of Affection: Beauty in the work of Claude Cormier + Associates*
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Yoonku Kwon, 444, *The Benefits of Increasing Blue-Green Infrastructural Ecosystem Services*
Qianzi Jiang, 101, *Urban Green Space Evaluation and Layout Optimization Based on the Supply and Demand of Water-related Ecosystem Services*
Gunwoo Kim, 195, *The Urban Forest and Ecosystem Services for Sustainable Future*

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Taryn Borelli, 114, *Guidelines for a New, Floating Open Space*
Wonmin Sohn, 260, *Assessing the capitalization effects of retention and detention ponds on single-family housing values*
Jessica Canfield, 290, *Making Landscape: Material Selection in the Performance Era*
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Xi Zhang, 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

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Thomas Schurch, Taner Ozdil, Allyson Mendenhall, John Gibbs, Michelle Eichinger, Urban Design in Landscape Architecture: Taking the Pulse in Education and Practice

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

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Kris Fox, 128, Design Emancipation Technology: Giving Purpose to BIM/LIM Through Community-Based Design
Carolina Segura Bell, 200, Branching Out: Engaging Community through Interdisciplinary, vertical, collaborative design charrettes
Maren King, 268, The Evolving Dynamics of the Engaged Scholarship of Sustainable Community Development

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David Barbarash, 391, Integrated Project Assessment and Effectiveness
David Smith, 455, Teaching Formal Frameworks for Structuring Planning and Design Objectives for the Regional Scale
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Michael McCullough, 180, Building the Outside-in Classroom
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Zefeng Lian, 103, Spatial Trialectics: A new thinking mode, and the production logic of landscape space
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Sarah Little, 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

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Phillip Zawarus, 22, Quality over Quantity: Assessing Tree Health for Higher Performance in Desert Parking Lots
Jonghoon Park, 217, Spatial cooling ranges of small green spaces using a T-type thermocouple sensor
Stephen Wheeler, 326, Dynamics of Heat Islands for Dryland Cities and Implications for Mitigation
Ian McRae, 402, The effects of urban morphology and meteorology on building-scale design in a changing climate

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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
Brent Chamberlain, 278, Konza StudioVR: Developing the Virtual Reality Environment
Conor O'Shea, 349, China Logistics

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Hong Wu, 144, Exploring Maintenance-Friendly Planting Design For Green Stormwater Infrastructure
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Eunshin Son, 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, 105, On the Design Concept of Commemorative Landscape Based on the Teenagers’ Cognitive Features in Contemporary China: A Case Study of Mashan Martyrs’ Park

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Iryna Dronova, 154, Inspiring urban design innovation with microclimate research tools
Natalie Yates, 150, Drones In (and Out of) the Classroom: Experiences and Outcomes of a UAS Technologies Course and Beyond
Drew Hill, 394, How virtual reality impacts the landscape architecture design process at the site-scale during the phases of analysis and concept development

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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

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Gerhard Griesel, 72, A framework for enhancing the design skill sets of Foundation Programme Landscape Architecture students
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Bambi Yost, 423, Helping Students Overcome Fears and Obstacles in Beginning Design Classes
Kathryn Nelson, 79, Assessing student attainment of departmental student learning outcomes through external review using Qualtrics survey responses from internship supervisors.

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Blake Belanger, 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
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Robert Ryan, 62, Re-connecting Local Residents to Urban Forests: Implications for Place Attachment, Ecology, and Stewardship
Fatemeh Saeidi-Rizi, 384, The Impacts of Exposure to Urban Nature on Healthcare Workers
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Sijie Wang, 127, Low Impact Development of Green Space in Shallow Mountain Area--Based on Water Balance
Lingyun Liu, 172, Children’s Daily Activities, Spatiotemporal Characteristics, and Daily Life-Sphere Structure: A Case Study of Wuhan, China

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Cory Parker, 242, Homeless negotiations of public exclusions in the California urban landscape

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ROOM 10
Carla Delcambre, 283, Design + Build at a Land Grant University
Dan Li, 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, 136, Building Relationships Between LAAB-Accredited Programs and Community Colleges

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Costis Alexakis, 364, Landscape Architecture and Advocacy in the Early 1900s
Virginia Russell, 366, Current position of women in landscape architecture profession. (With emphasize on women principals)

LANDSCAPE PERFORMANCE 
ROOM 12
Bo Yang, 53, Social Benefits Assessment: Comparing Project Goals with Outcomes
Lisa DuRussel, 86, The New Nature: Digital Media in Landscape Performance
Xueying Liu, 184, The influence of parental constraints on children’s outdoor activities under leisure constraints in Chinese urban

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ROOM 13
XIN JIANG, 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
Howard Hahn, 276, Konza Studio: A Pedagogical Retrospective

COMMUNICATION (panel) 
ROOM 15
Evan Lanning, Blake Belanger, Revealing the Fracklands: A Framework for Addressing the Wicked Problems of Hydraulic Fracturing
SESSION 7
3/9 SATURDAY 4:00-5:30

RESEARCH BY DESIGN ROOM 1
Alyssa Schwann, 36, A Museum of Anthropology: Conflicted Iconography, Contested Land
Peter Ellery, 48, Redefining Education in Africa: Creating African-centric Learning Environments Through Culturally Identifiable Landscapes
Gabriella Rowe, 220, Equity: Comparing and Rethinking Urban Design Standards in a Divided City, Worli Koliwada, Mumbai

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, 412, Topographic Literacy: Outreach, Innovation, & Accessibility in Contemporary Grading & Drainage Education
Joern Langhorst, 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, 416, Senic Viewsheds: Making the Turn
Kelly Cederberg, 321, Impacts of golf course land use change on residential property values
Runzi Wang, 247, Exploring stream water quality management with hydrologically sensitive area (HSA) approach—A case study in San Jacinto River Basin, Texas

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, 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
Maggie Hansen, 254, Teaching Design as Advocacy

ENGAGED SCHOLARSHIP ROOM 6
Shelley Cannady, 472, Reaching out, reaching in: reciprocal meaning and relevance in community design
Katie Kingery-Page, 408, Revealing the Story (Stories) of Housing in a Public Dialogue
Dominc Fischer, 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
Chingwen Cheng, 71, Ecological Design as a catalyst for Social Change: An assessment framework and case studies in USA and Europe
Stephen Mainzer, 85, Assessing the state of landscape, community, and behavior inquiry in landscape architecture practice
Nikolas Smilovsky, 251, Predicting Human Spatial Behavior by Assessing Variables Associated with Social Capital Building and Civic Engagement: A Dissertation Presentation
David Spooner, 61, Measuring Walkability Through Movement: A Flip-Book Approach
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<td>Joshua Goeden, 34, <em>The Role of Landscape Architecture in Cognitive Mapping</em></td>
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<td>Gary Austin, 84, <em>European Green Capitals: Performance in Sustainable Development</em></td>
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<td>Paul Coseo, 130, <em>An Urban Climate Design for More Thermally-Comfortable and Equitable Communities</em></td>
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<td>Brad Davis, 204, <em>Rethinking Georgia Roadsides: A Pilot Study of Perennial Wheat</em></td>
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