



DESIGN + NATURE
A CELEBRATION OF IAN McHARG

Annual Meeting 2019
New Jersey Chapter ASLA
February 10th - February 12th
Harrah's Waterfront . Atlantic City

PROGRAM DETAILS & ITINERARY

HOTEL REGISTRATION INFORMATION

SUNDAY 2/10/19 THROUGH TUESDAY 2/12/19: Harrah's Resort Atlantic City is pleased to offer a special rate of \$65.00, per room, single or double occupancy, plus taxes, tourism fees and \$15.00 per night, per room Resort Fee which includes complimentary in-room internet access for 2 devices per room, per night and \$5 voucher towards self parking in the garage. A 48-hour advance notice is required in order to cancel without a penalty.

BOOK RESERVATIONS AT 888-516-2215 OR

REGISTER HERE FOR HOTEL

The Group Code is **SHO2LA9** and the show name is **NJASLA 2019**.
Cutoff date for the special rate is 1/19/19. Book NOW, while rooms last!

CONFERENCE REGISTRATION INFORMATION

REGISTER HERE FOR CONFERENCE

REGISTRATION OPTIONS

*Options do not include hotel accommodations.
Please refer to the information above for hotel registration details.*

FULL PACKAGE

Includes all educational sessions, exhibit hall, Mix & Mingle Cocktail Reception, Exposition Cocktail Reception, all meals, and refreshment breaks. Registrants who select this option are eligible to receive up to 14 Continuing Education Credits.

SUNDAY PACKAGE

Includes Sunday educational sessions, exhibit hall, lite lunch, refreshment break and Mix & Mingle Cocktail Reception. Registrants who select this option are eligible to receive up to 4 Continuing Education Credits.

MONDAY PACKAGE

Includes Monday educational sessions, exhibit hall, Exposition Cocktail Reception, continental breakfast, Exposition Lunch, and refreshment breaks. Registrants who select this option are eligible to receive up to 6 Continuing Education Credits.

TUESDAY PACKAGE

Includes Tuesday educational sessions, exhibit hall, buffet breakfast, Exposition Lunch, and refreshment breaks. Registrants who select this option are eligible to receive up to 4 Continuing Education Credits.

STUDENT PACKAGE

Available to full time college students enrolled in a Landscape Architecture curriculum. All student packages include the activities outlined in the registration packages above. Proof of legal age is required for complimentary tickets at the Cocktail Receptions.

GUEST PACKAGE

This registration is for the guest of a full registrant and limited to one unless otherwise approved by NJASLA. It includes meal functions and exhibits throughout the annual meeting. Seminars are NOT included with this package and Continuing Education will not be reported for Guest registrants.

PROFESSIONAL AWARDS PRESENTATION AND RECEPTION GUESTS

Guests of award winners may purchase a ticket to attend the presentation and reception on Monday evening, including beverages and hors d' oeuvres as outlined.

EMERITUS PACKAGE

Available to full members who have been approved by ASLA for Emeritus status and meet all of the following criteria: (1) are retired from active practice; (2) 25 or more years of continuous membership in New Jersey ASLA from the effective date of membership, including time on limited status; (3) are of age to collect full Social Security retirement benefits. This is a Full Package registration, as outlined above.

REGISTRATION FEES

PACKAGES	MEMBER	NON-MEMBER	STUDENT
Full Package	\$490	\$615	\$120
Sunday Package	\$200	\$250	\$40
Monday Package	\$310	\$400	\$70
Tuesday Package	\$235	\$300	\$60

GUEST REGISTRATION: \$350

AWARDS PRESENTATION GUESTS: \$75

EMERITUS: \$350

**The above registration rates, reflect the EARLY discount rate. Registrations received after January 18, 2019, will be subject to a \$75 late registration fee. ASLA dues paying members in good standing, from any State Chapter, are eligible to take the Member rates. Members will be asked to provide their member number.*

PROFESSIONAL AND STUDENT MEET & GREET

Would you like to make an impact on the next generation of landscape architects? This is an opportunity, during the Monday exposition lunch, for professional landscape architects to meet briefly with student attendees for an informal conversation about the profession. Please consider being a part of this event; you must elect to participate during the registration process. Additional details will be provided to those who register.

RUTGERS PROFESSIONAL PORTFOLIO REVIEW

Are you a professional interested in helping prepare students to enter the field of landscape architecture? Consider volunteering to participate in a one on one portfolio and resume review with a Rutgers student. The review will last for 20 minutes and will take place during the lunch break on either Monday or Tuesday. You must elect to participate during the registration process. Additional details will be provided to those who register.

SPONSOR-A-STUDENT

Please consider making a contribution. Your donation will help us to sponsor landscape architecture students who would like to attend the event. You can donate any amount that you wish during the registration process and all contributions help. Your consideration of this request is greatly appreciated.

PROFESSIONAL DESIGN AWARDS PRESENTATION

Please join us in honoring our esteemed colleagues during this special design awards presentation Monday evening from 6 to 7 PM. There will be an interactive component with prizes and special giveaways. Complimentary beer, wine, beverages and snacks will be served.

CONTRIBUTE TO THE NJASLA EDUCATIONAL FOUNDATION

Please consider a donation to the NJASLA Education Foundation. This is part of an on going effort to raise \$50,000 to support student scholarships and non-profit efforts related to landscape architecture in NJ.

MEETING SCHEDULE AND CONTINUING EDUCATION CREDITS

DATE	TIME	SESSION TITLE	NJ.PA.DE	LACES	NY	AICP	
							SUNDAY • AVAILABLE CONTINUING EDUCATION UNITS
SUNDAY FEBRUARY 10 • 2019	12:00-1:00	REGISTRATION & LUNCH <i>(Registration desk open 12:00 PM - 6:00 PM)</i>					
	1:00 - 1:30	OPENING REMARKS: NJASLA President Jeffrey Charlesworth. Education Foundation. TREE Fund					
	1:30 - 2:30	1 KN Design with Nature NOW	1.0	1.0 HSW	1.0 HSW	1.0	
	2:40 - 3:40	2 KN Learning from Design with Nature not Las Vegas	1.0	1.0 HSW	1.0 HSW	1.0	
	3:40 - 3:50	REFRESHMENT BREAK					
	3:50 - 4:50	3 A Redefining Suburbia in the Post-McHarg Era	1.0	1.0 HSW	1.0 HSW	1.0	
		3 B Creative Playground Design	1.0	1.0 HSW	1.0 HSW		
	5:00 - 6:00	4 KN 21st Century Parks: What's next?	1.0	1.0 HSW	1.0 HSW	1.0	
	6:00 - 7:00	EXECUTIVE COMMITTEE MEETING					
	7:00 - 8:30	WELCOME COCKTAIL RECEPTION					
		SUNDAY • AVAILABLE CONTINUING EDUCATION UNITS					
			4.0	4.0 HSW	4.0 HSW	4.0	
MONDAY FEBRUARY 11 • 2019	7:30 - 8:30	REGISTRATION & EXPOSITION BREAKFAST <i>(Registration desk open 7:30 AM - 5:30 PM)</i>					
	8:30 - 8:40	OPENING REMARKS					
	8:40 - 9:40	5 KN Landscape Architecture: Vision and Visibility	1.0	1.0 HSW	1.0 HSW	1.0	
	9:50 -12:00	WS I Perceptually Accurate Renderings with SketchUp	2.0	2.0	2.0		
		6 A Greening, Restoring, and Healing the Urban Environment	1.0	1.0 HSW	1.0 HSW		
		6 B One Profession, Many Voices: Business Q&A Discussion	1.0	1.0			
	9:50 -10:50	6 C State of Infinity	1.0	1.0 HSW	1.0 HSW	1.0	
		EXPOSITION COFFEE BREAK					
	10:50 -11:00	7 A Critical Concepts for Green Stormwater Infrastructure	1.0	1.0 HSW	1.0 HSW		
		7 B Plant This, Not That: Informed Plant Selection	1.0	1.0 HSW	1.0 HSW		
		7 C Mapping (In) Equity: Why Urban Histories Matter	1.0	1.0 HSW	1.0 HSW	1.0	
	12:00 -2:00	EXPOSITION LUNCH WITH EXHIBITOR LABS AND PROFESSIONAL MEET & GREET					
	2:00 - 4:30	WS II Perceptually Accurate Renderings with SketchUp	2.0	2.0	2.0		
		8 A Modeling for Sustainable Urban Design & Planning	1.0	1.0 HSW	1.0 HSW	1.0	
		8 B Plant & Wildlife Management in Landscape Architecture	1.0	1.0 HSW	1.0 HSW		
	2:00 - 3:00	8 C Maroon Landscape: Cultural & Environmental Resiliency	1.0	1.0 HSW	1.0 HSW		
		9 A Serendipity vs Strategy: The Need for Natives	1.0	1.0 HSW	1.0 HSW		
		9 B Gardens Transformed	1.0	1.0 HSW	1.0 HSW		
	3:10 - 4:10	9 C Representing & Designing for Environmental Loss & Justice	1.0	1.0 HSW	1.0 HSW	1.0	
EXPOSITION REFRESHMENT BREAK							
4:10 - 4:40	10 KN Social and Environmental Space	1.0	1.0 HSW	1.0 HSW			
4:40 - 5:40	PROFESSIONAL DESIGN AWARDS PRESENTATION						
6:00 - 7:00	DESIGN AWARDS & EXPOSITION COCKTAIL RECEPTION						
		MONDAY • AVAILABLE CONTINUING EDUCATION UNITS					
			6.0	6.0 HSW	6.0 HSW	5.0	
TUESDAY FEBRUARY 12 • 2019	7:30 - 8:30	REGISTRATION & EXPOSITION BREAKFAST <i>(Registration desk open 7:30 AM - 3:30 PM)</i>					
	8:30 - 8:50	OPENING REMARKS					
	8:50 - 9:50	11 KN At the Water's Edge: Riverfront & Coastal Restoration	1.0	1.0 HSW	1.0 HSW	1.0	
	10:00 -11:00	12 A Codify: Computation in Landscape Architecture	1.0	1.0 HSW	1.0 HSW	1.0	
		12 B Transcending Constraints to Create Timeless Environments	1.0	1.0 HSW	1.0 HSW		
	11:00 -1:00	EXPOSITION LUNCH WITH EXHIBITOR LABS					
	1:00 - 2:00	13 A Transforming Fresh Kills Landfill into Freshkills Park	1.0	1.0 HSW	1.0 HSW	1.0	
		13 B Restoring the Future in a Rapidly Changing World	1.0	1.0 HSW	1.0 HSW		
	2:10 - 2:20	CLOSING REMARKS					
	2:20 - 3:20	14 KN Why Not Cultural Systems?	1.0	1.0 HSW	1.0 HSW		
		TUESDAY • AVAILABLE CONTINUING EDUCATION UNITS					
			4.0	4.0 HSW	4.0 HSW	3.0	
ANNUAL MEETING . TOTAL AVAILABLE CONTINUING EDUCATION UNITS			14.0	14.0 HSW	14.0 HSW	12.0	

* Session 7B is approved for 1.0 ISA Certified Arborist CEU and 1.0 BCMA Practice CEU

** Sessions 8B & 9A are each approved for 1.0 ISA Certified Arborist CEU and 1.0 BCMA Management CEU

NJASLA is an approved CE content provider with the New York State DOE and as such courses offered by NJASLA in an approved subject area and in an approved format, are approved for credit in NY. The above NY and NY-HSW designated courses have been deemed by NJASLA to meet or exceed the criteria for subject area and format.

SUNDAY . FEBRUARY . 10 . 2019

12:00 PM **REGISTRATION OPENS**

12:00-1:00 PM **LUNCH**

1:00-1:30 PM **OPENING REMARKS**
NJASLA PRESIDENT JEFFREY CHARLESWORTH
NJASLA EDUCATION FOUNDATION
TREE RESEARCH & EDUCATION ENDOWMENT FUND

1:30-2:30 PM **OPENING KEYNOTE**

● **SESSION 1KN: DESIGN WITH NATURE NOW**

As the 50th anniversary of Ian McHarg's landmark text arrives, landscape architecture in general and University of Pennsylvania School of Design (PennDesign) in particular have been forced to ask: what does it mean to design with nature, now? To mark the occasion and to respond to that question, the School is launching two parallel efforts: a major international conference and set of exhibitions to be held in Philadelphia in June 2019 entitled "Design with Nature Now", and the establishment of The Ian L. McHarg Center for Urbanism + Ecology within the Department of Landscape Architecture and Regional Planning.

This keynote address will provide an overview of both efforts, including a preview of the exhibition materials being curated for the symposium. During the presentation, Mr. Fleming will delve into the Center's various works-in-progress to demonstrate the continued relevance of Ian McHarg's ideas. These works include "The Next 100 Million", a spatial analysis project aimed at analyzing when and where the next 100 million people will arrive in the U.S. and how the impacts of climate change will affect their lives; and "Houston, Harvey, and McHarg", an inundation analysis of The Woodlands' performance during Hurricane Harvey. Through these examples, he will highlight how landscape architects can continue to apply the principles of *Design with Nature* to their projects now.

During this keynote, attendees will learn about the continued relevance of Ian McHarg's ideas in landscape architecture and urban planning. The session will then discuss how bringing the sciences and the arts together develops innovative planning and design techniques for improving the relationship between human nature and designed ecology. And finally, attendees will learn how to cultivate the idea of designing with nature through examples of advanced, applied research projects by faculty and students at PennDesign.

SPEAKER: BILLY FLEMING, RESEARCH DIRECTOR – THE IAN MCHARG CENTER

Billy Fleming is the Wilks Family Director of The Ian McHarg Center at PennDesign. There, he leads a team of researchers furthering the Center's mission to bring environmental and social scientists together with planners, designers, policy-makers, and communities to develop practical, innovative ways of improving the quality of life in the places most vulnerable to the effects of climate change. Most recently, he co-authored *The Indivisible Guide* - a progressive, grassroots organization with more than 6,000 groups and co-created Data Refuge - an international consortium of scientists, librarians, and programmers working to preserve vital environmental data at risk of erasure. Before coming to Penn, Fleming worked on urban policy development in the White House Domestic Policy Council during the Obama Administration. There, he worked on a variety of urban initiatives, including the inter-agency Sustainable Communities Initiative, the Promise Zones program, and the landmark Affirmatively Furthering Fair Housing rule.

2:40-3:40 PM

KEYNOTE SESSION

• **SESSION 2KN: LEARNING FROM DESIGN WITH NATURE NOT LAS VEGAS**

Ian McHarg championed using ecological analysis and factors to inform planning and design. The *Design with Nature* mandate has been an integral part of the design process at The Olin Studio since the beginning. Using her vast experience and an array of projects as case studies, Lucinda Sanders will demonstrate how they have incorporated nature and ecological analysis as a framework for the studio's design goals. These examples will show how the seminal ideas of McHarg are relevant today and can be adapted to inform effective, creative, and environmentally sound planning and design solutions for a variety of conditions, scales, and typologies. Through an overlay of cultural and natural factors, Sanders will challenge us to use ecological knowledge as metaphor and inspiration for invention.

SPEAKER: LUCINDA SANDERS, CEO & PARTNER - OLIN

Lucinda Sanders is a Design Partner and the President and CEO of OLIN. She has a core belief that transforming thinking transforms place, and she puts this philosophy to practice in her role shaping OLIN as a leader in design excellence, introducing the next practices to answer the complex challenges of the 21st century. Lucinda co-created and co-facilitates a fellowship for the Landscape Architecture Foundation for Innovation and Leadership and is a co-founder of OLIN LABS, the research arm of OLIN. In addition, she has led the design of many of OLIN's signature award-winning urban projects.

3:40-3:50 PM

REFRESHMENT BREAK

3:50-4:50 PM

CONCURRENT SESSIONS

• **SESSION 3A: REDEFINING SUBURBIA IN THE POST-MCHARG ERA**

The future of America may be trending toward the urban environment, but that typology includes the suburbs. Our suburbs account for roughly 70% of the US population. Our urban cores have been much prized as places of research and design excellence, changing elevated railroads into parks in the sky and derelict waterfronts into prime parklands. However, our suburbs have developed rapidly with ubiquitous landscapes focused on backyards and playgrounds that fit neatly into dated and ineffective ordinances and codes. Most of our suburbs lack holistic design strategies that embody our cultural and natural communities and regions. Since the publishing of Ian McHarg's book *Design with Nature*, most of our American suburbs have continued to flounder. While both the private and public sectors have introduced recent sustainable interventions, suburban strategies, as a whole, remain focused on "the American dream" involving auto-dependency, social isolation, and ecological destruction.

Michael Fleischacker and Tom Salaki explore the influences that Ian McHarg's theories of designing with nature have had and should have on the growth of our suburban environments. They will look at suburban case studies that have succeeded or failed in designing with nature. Through thoughtful and meaningful retrofits, Michael and Tom believe that the suburbs of our past can become the ecologically vibrant, people-scaled communities of tomorrow.

This session will identify opportunities and constraints for ecological improvements to existing suburbs. Attendees will gain an understanding of how trends in suburban planning and landscape design have influenced America. The speakers will discuss how regulations often hinder, but can instead aid in healthy suburban community planning and landscape design strategies.

SPEAKERS:

MICHAEL FLEISCHACKER, PROFESSOR – DELAWARE VALLEY UNIVERSITY

Impassioned for regenerating systems, Michael's 20-year career includes parks, mixed-use, transportation, ecological, and other urban, rural, and suburban projects. Since 2009, Michael has been an educator at Delaware Valley University. He is now an associate professor, department chairperson, director of the Regenerative Land Institute and has founded the school's Landscape Architecture major, which received program accreditation from LAAB in 2017. He serves as an advisor to Bowman's Hill Wildflower Preserve and the Pennsylvania Horticultural Society. Michael's hats include project and client manager, construction manager, business manager, Vice President of Operations, director, chair, advisor, expert witness, educator, and voice for healthy systems.

TOM SALAKI, PRINCIPAL – SQUARE ACRE STUDIO LLC

Tom Salaki is a Landscape Architect with over 13 years of experience in the profession. He worked at a variety of firms including Back to Nature, EDAW, HMWhite, and AECOM, before establishing Square Acre Studio LLC in 2013. Tom has extensive experience in both urban and suburban landscape architecture. His current project work includes estate and residential design projects, corporate property repositioning, and urban landscape design, all with a focus on holistic design strategies and economically and environmentally sustainable solutions.

● SESSION 3B: CREATIVE PLAYGROUND DESIGN

NYC has over 1000 playgrounds to care for and keep up-to date. NYC Parks has developed a comprehensive approach to designing playgrounds that incorporates durable, and easy to maintain materials; a high play value; variety; greening; sustainability; resilience; and accessibility. In this presentation, two of NYC Parks' landscape architects will illustrate with compelling images the key design principles that guide all playground design. They will then do a deep dive into the design of some playgrounds that meet easy maintenance and durability needs but have a high level of accessibility, creativity, and relationship to their unique context.

During this session, attendees will learn how playground design can incorporate many larger goals, such as: managing climate change impacts, greening, sustainability, and attention to context. The speakers will discuss, through case study examples, how creative problem solving can turn challenging site conditions into a design asset. The goal of the session is for attendees to understand how playground design can go beyond the requirements of the ADA to provide more joy and accommodation for a variety of abilities and ages.

SPEAKERS:

PATRICIA CLARK, LANDSCAPE ARCHITECT & PROJECT MANAGER – NYC PARKS

Patricia Clark, RLA, designs with the belief that playgrounds can be safe spaces for children to let off steam through physical challenges and to discover STEAM (science, technology, engineering, art and math) principles through the play environment and elements within. Patricia blends experience in landscape architecture and graphic design, working with standard materials in unexpected ways to build site-specific narratives that spark curiosity and conversation. Patricia's play environments have become well-loved neighborhood anchors. She is an agency resource on creative play, and received the 2014 NYC Public Design Commission Award for Excellence in Design for her work on Sunset Park Playground.

NANCY PRINCE, CHIEF OF LANDSCAPE ARCHITECTURE – NYC PARKS

Nancy Prince, RLA, ASLA, is Chief of Landscape Architecture at NYC Parks. In this role she establishes the design aesthetic and vision for a large and highly varied portfolio of projects. Nancy is responsible for establishing standards for design excellence to ensure that projects are innovative, enduring, accessible, resilient, and sustainable. Many of these are new or reconstructed playgrounds that bring city children joy and much needed access to outdoor play. Nancy holds a Masters in Urban Design from the Graduate Center of the City University of New York and a Masters in Landscape Architecture from the University of Massachusetts.

5:00-6:00 PM

KEYNOTE SESSION

● **SESSION 4KN: 21ST CENTURY PARKS: WHAT'S NEXT?**

Parks and public spaces are vital to the livability of cities. As the country urbanizes and demographics of the American population shift, parks and public spaces are gaining greater importance as places for physical health, mental health, and social interaction. New York City has embarked on a new strategy to address the future of parks by redefining the role of public space in the 21st century through equity, innovation, planning, and placemaking.

Learn how NYC Parks, working with communities, sister agencies, and partners, is unifying park spaces with the neighborhoods they serve by reimagining entrances, edges, and park-adjacent spaces through its new Parks Without Borders initiative. Understand the challenges and opportunities and see a variety of innovative and thoughtful design solutions.

This keynote will address the role of parks and public space in the 21st century, and the key initiatives NYC Parks has implemented to plan and design for place and people. Attendees will learn about the planning and capital process needed to support an innovative approach to redesigning underused and nontraditional areas of parks and urban spaces within the public realm. Commissioner Silver will discuss key principles for designing open, welcoming, inclusive spaces that connect to their surroundings and how equity is being used to redefine the role of public space.

SPEAKER: MITCHELL SILVER, PARKS COMMISSIONER – NYC PARKS

Mitchell J. Silver, FAICP became Commissioner of NYC Parks in May 2014. Commissioner Silver is the immediate past president of the American Planning Association (APA). Mitchell is an award-winning planner with over 30 years of experience. He is internationally recognized for his leadership in the planning profession and his contributions to contemporary planning issues. As Parks Commissioner, Mitchell oversees management, planning, and operations of over 30,000 acres of parkland, which includes parks, playgrounds, beaches, marinas, recreation centers, and wilderness areas. He received a BA in Architecture from Pratt Institute and a Master's in Urban Planning from Hunter College in NYC.

6:00-7:00 PM

EXECUTIVE COMMITTEE MEETING

7:00-8:30 PM

WELCOME COCKTAIL RECEPTION

MONDAY . FEBRUARY . 11 . 2019

7:30 AM **REGISTRATION OPENS**

7:30-8:30 AM **EXPOSITION BREAKFAST**

8:30-8:40 AM **OPENING REMARKS**

8:40-9:40 AM **KEYNOTE SESSION**

● **SESSION 5KN: LANDSCAPE ARCHITECTURE: VISION AND VISIBILITY**

"Landscape architecture is a profession I discovered by chance after college," wrote Spirn in the introduction to *The Language of Landscape*. "Despite its scope and significance, it is, in many respects, an invisible profession compared to the related fields of architecture and engineering. If this book inspires others to enter and contribute to this wonderful profession, I will be happy."

In her address to NJASLA, Spirn will celebrate the strengths of our profession and reflect on lessons from more than four decades' experience in expanding its scope and reach. Beginning with her experience working with Ian McHarg in practice, on projects such as Woodlands New Community, and the inspiration of his classic book, *Design with Nature* (1969), Spirn will reflect on the consequences of her decision to write *The Granite Garden: Urban Nature and Human Design* (1984) for a general as well as professional audience. She will continue with a reflection on lessons learned from the award-winning West Philadelphia Landscape Project, an ongoing action research project that she founded in 1987, which seeks to restore environmental quality and rebuild low-income communities in synergistic ways.

During this keynote, Spirn will explain how to restore urban natural environments at the same time as rebuilding low-income communities. She will also show how the sustainable landscape can be functional, artful, and meaningful. Attendees will learn how to expand their sphere of work.

SPEAKER: ANNE SPIRN, PROFESSOR OF LANDSCAPE ARCHITECTURE AND PLANNING – MIT

Anne Whiston Spirn, Professor of Landscape Architecture and Planning at MIT, is an award-winning author, scholar, photographer, teacher, and practitioner. Her books include *The Granite Garden* (1984), *The Language of Landscape* (1998), *Daring to Look* (2008), and *The Eye is a Door* (2014). Since 1987, she has directed the West Philadelphia Landscape Project, an action research program integrating research, teaching, and community service. Spirn is the recipient of Japan's 2001 International Cosmos Prize for "contributions to the harmonious coexistence of nature and mankind," IFLA's Geoffrey Jellicoe Award, and the 2018 National Design Award for "Design Mind." For more information, see www.annewhistonspirn.com.

- **TWO-PART WORKSHOP:** **9:50 AM-12:00 PM**
 (4 credit hours) **2:00-4:30 PM**

PERCEPTUALLY ACCURATE LANDSCAPE RENDERINGS WITH SKETCHUP

In the last ten years, visualization methods for landscape architecture have progressed from the pursuit of photorealistic renderings, which accurately represent the elements and details of a landscape, to the use of freeform collages created to express the “mood” of a landscape. Creating a photorealistic rendering can be very time consuming and complex and the results can appear “too perfect” and lacking in emotion, not really communicating the intent of the design or place. Meanwhile, freeform collages can take hours in Photoshop and are often over stylized and cliché in their appearances; moreover, they have no real resemblance to the landscape that they are intended to represent or usefulness as a means to communicate the organization and articulation of a place. The ideal representation of a proposed landscape should be able to communicate both the concrete and experiential qualities of a place; it should be perceptually accurate and understandable by both laypeople and professionals.

SketchUp is one of the easiest, fastest, and most popular 3D modeling programs available. Its tools and interface are simple and easy to deal with for beginners. Workshop participants should be comfortable with the SketchUp user interface and be able to construct basic geometry and 3D models. The workshop will present and demonstrate the principles and techniques that will allow a user to quickly and easily create effective renderings that elevate a basic model to communicate the detail and emotion of a place directly within SketchUp. This is where SketchUp plugins or extensions come into the picture. Several rendering plugins will be demonstrated including V-Ray, Laubwerk Plants, and Skatter.

Workshop participants should bring a laptop with all software and plugins already installed along with power adapter and mouse. A 64-bit operating system and SketchUp version 2015, 2016 or later (64-bit versions only) must be installed. It is recommended laptops have an i7 processor and NVIDIA graphics. Trial versions of the plugins are available for free download. All necessary information including hardware and software along with a complete list of plugins will be sent once registration is complete.

This is a two-part workshop from 9:50AM – 12:00PM and 2:00 – 4:30PM for a total of 4 credit hours. Those looking to participate are required to register and attend both the morning and afternoon sessions. The workshop has limited seating and registration will be first come – first served. Attendees will be notified of enrollment status by email.

SPEAKER: TIMOTHY JOHNSON, ASSOCIATE PROFESSOR LANDSCAPE ARCHITECTURE – THE PENNSYLVANIA STATE UNIVERSITY

Tim Johnson is an Associate Professor of Landscape Architecture at Penn State. Tim's expertise includes graphic design, computer/human interface design, digital image processing, three-D visualization, multimedia information systems design, and pen-based and multi-touch computing. He has been teaching visualization and design implementation courses, specializing in digital media tools for the last thirty years. More recently, he has been working to develop the use of multi-touch computing and high-end photorealistic rendering techniques. His work on professional and research projects has been recognized by the ASLA Professional Awards Program with merit awards in the planning and communications categories. Most recently, he received the Milton S. Eisenhower Award for Distinguished Teaching, Penn State's highest teaching award.

● **SESSION 6A: GREENING, RESTORING & HEALING THE URBAN ENVIRONMENT**

“Let us green the earth, restore the earth, and heal the earth.” – Ian McHarg

Since 1968, the firm Quennell Rothschild & Partners has applied inspiration from McHarg to their design across a wide variety of sites and project types. In this session, principal Mark Bunnell will illustrate how McHarg's visionary approach to sustainable design is still being applied today in Quennell Rothschild & Partners' diverse range of projects. Case studies will demonstrate the application of sustainable design principles within an urban setting. These case studies will incorporate topics such as stormwater design, materials selection, rooftop landscapes, water use, and active design.

As a result of this session, attendees will be able to provide alternative methods for stormwater handling to reduce load on urban storm sewer systems, and implement methods to conserve potable water within a site. Attendees will also gain knowledge about and be able to select site materials thoughtfully so as to minimize environmental impacts. And finally, attendees will learn to maximize pervious surfaces in their designs of urban stormwater management systems.

SPEAKER: MARK BUNNELL, PARTNER – QUENNELL ROTHSCHILD & PARTNERS

Mark Bunnell, RLA, is a partner in the landscape architecture firm Quennell Rothschild & Partners. He has more than 33 years of experience designing and restoring public and private landscapes in New York City and beyond. A LEED Accredited Professional, Mr. Bunnell emphasizes a sustainable approach to landscape in his work. He has lectured on sustainable site design at Columbia University and other institutions. Many of his projects have also involved collaboration with artists. Mr. Bunnell teaches a course in Landscape Design History for the New York Botanical Garden.

● **SESSION 6B: ONE PROFESSION, MANY VOICES: BUSINESS Q&A DISCUSSION**

As Ian McHarg showed us in his seminal work *Design with Nature*, Landscape Architecture and the allied design professions can translate the natural world and its needs to the masses. During this session, the panelists will briefly discuss how their personal values towards the landscape, both natural and developed, inform the guiding vision for their own individual firms. The remainder of the session will be a question and answer format that will allow attendees to engage in a discussion with the panelists about topics relevant to starting, maintaining, and growing a landscape architecture practice. Each of the panelists represents a distinct geographical area of our country, with particular challenges and clientele needs. As such, they can each offer different insights into the challenges and successes of owning your own landscape architecture practice, as well as offer their own individual experiences and advice.

PANELISTS:

DIANE JONES ALLEN, PRINCIPAL LANDSCAPE ARCHITECT – DESIGNJONES LLC

Diane Jones Allen, D. Eng., ASLA, PLA, is the Landscape Architecture Program Director for the College of Architecture Planning and Public Affairs at the University of Texas Arlington, and Principal Landscape Architect for DesignJones, LLC, New Orleans, Louisiana. DesignJones LLC received the 2016 American Society of Landscape Architects (ASLA) Community Service Award. Diane's research explores environmental justice and sustainability in cultural landscapes, including impacts on places with unmet transportation demand, as discussed in her book *Lost in the Transit: Race Transit Access and Suburban Form*, Routledge Publishers. Diane also co-edited *Design As Democracy: Techniques for Collective Creativity*, Island Press which won an EDRA Great Places Award, Book Category 2018.

RENÉE BYERS, PRESIDENT – RENÉE BYERS LANDSCAPE ARCHITECT, PC

Renée Byers, ASLA, brings thirty-five years of experience to her residential design practice. Prior to founding her studio in 1998, her work included the site design for corporate headquarters, movie studios, and public parks for nationally-recognized firms. She has lectured for the NY Botanical Garden, and The Cultural Landscape Foundation's *Garden Dialogues*, a symposium that examines the collaborative process between designers and clients. Featured in the book, *Private Paradise: Contemporary American Gardens*, Renée has also received multiple awards, including the 2018 ASLA-NY Design Awards, where she received both an Honor and a Merit Prize for two of her projects.

SANDRA CLINTON, PRESIDENT – CLINTON & ASSOCIATES, PC LANDSCAPE ARCHITECTS

Sandra Youssef Clinton, is an accomplished landscape architect and horticulturist experienced in mixed-use, retail, commercial, institutional, and private residential design. Her firm has won countless awards for their innovative use of building materials, acute understanding of outdoor scale, and extraordinary expertise and approach to planting design. Sandy integrates her passion for plants and sustainable practices with her innate talents as a designer to create dramatic, contemporary, and seasonally-changing landscapes. Her love of impressionist paintings, and her own adventures in encaustics and collage arts, serve to influence the painterly landscapes that are her firm's trademark.

MODERATOR:

JEFFREY CHARLESWORTH, PRINCIPAL – CHARLESWORTH FLEISCHACKER LANDSCAPE ARCHITECTS

Jeff Charlesworth is a New Jersey landscape architect recognized for design in mixed-use, school campus and residential garden design in over a dozen states as well as abroad in Rome, Italy. His work is known for its synthesis of science, sustainability, and art. Jeff's work in New Jersey has included estates, mixed-use development, quarry restoration, and school campus design including the Gold LEED design for the Willow School in Peapack-Gladstone. As an accomplished artist, Jeff's drawings and paintings have illustrated several garden design books. His awarded work has appeared in galleries in New Jersey, Philadelphia, and Bucks County, Pennsylvania. Jeff has served as president of Artsbridge, a Bucks County artists organization for the past three years. He currently serves as Chapter President of New Jersey ASLA.

• SESSION 6C: STATE OF INFINITY

This session will explore the application and extension of Ian McHarg's "layer cake" model of landscape architecture through a series of case studies drawn from the speakers' professional experience. Starr and Poor will recount their time at the University of Pennsylvania School of Design under the tutelage of Ian McHarg and how they took McHarg's layer cake model to their work in Central Park—both in analyzing existing conditions and in expanding upon Olmsted's landscape. In the eighties, Central Park was already a vehicle for bringing a Hudson River School vision of nature into the City. The speakers' job was to rehabilitate this vision for the realities of the late 20th century. To do this, Starr and Poor expanded on the layer cake model by incorporating not only geological, natural, and social strata, but also the political realities of New York City in the eighties—a microcosm for broader sociopolitical trends in the country as a whole. These realities included monied private interests functioning, or failing to function, within a public management framework—a relationship most harmoniously expressed in the creation of the Central Park Conservancy.

Negotiating the terrain of late 20th century American politics became central to the process of reconstructing Central Park, a template which Starr and Poor would later apply to the wholesale redesign of the Battery. Two decades later, Starr would expand on McHarg's model again by incorporating planning for resilience and climate change into the "layer cake" through her work on the Big U Plan. Starr and Poor will also consider how the layer cake model functions in a Mediterranean context by examining their experience at Park Sharon in Jerusalem. The session will conclude with a reiteration of the lessons learned in a lifetime of designing, not only with natural layers, but with political realities and social constituencies as well.

SPEAKERS :

LAURA STARR, PARTNER – STARR WHITEHOUSE LANDSCAPE ARCHITECTS AND PLANNERS

Starting her career in Central Park, where she worked as Chief of Design before moving into private practice, Landscape Architect Laura Starr focuses on making density livable by integrating nature into social space, resiliency planning, and urban realm design. Whether at the scale of a tiny urban courtyard, iconic public park, or vulnerable coastal community, Starr's work negotiates the social and physical strands of a space into a place. Starr is a member of the ASLA's Council of Fellows, and has been nationally recognized for her work on Central Park, the Battery, the Big U, and VIA 57 West.

JEFFREY POOR, PRINCIPAL – STARR WHITEHOUSE LANDSCAPE ARCHITECTS AND PLANNERS

Landscape Architect Jeffrey Poor's career has spanned a wide range of project scales and types, consistently contributing creative solutions to the implementation of sustainable design. In collaboration with Laura Starr, Poor transformed Central Park's Great Lawn, Harlem Meer, and other landscapes, developing new sustainable practices long before the term gained its present currency. In his practice, Poor emphasizes the use of natural materials, native plant communities, and the creative treatment of stormwater. His work in Central Park, the Battery, Bushwick Inlet Park, and VIA 57 West has been recognized at local and national levels.

10:50-11:00 AM EXPOSITION COFFEE BREAK

11:00 AM-12:00 PM CONCURRENT SESSIONS

● SESSION 7A: CRITICAL CONCEPTS - GREEN STORMWATER INFRASTRUCTURE

Philadelphia is approaching its 8th year of Green City, Clean Waters, a 25-year commitment to invest \$2.4 billion in a citywide mosaic of green stormwater infrastructure (GSI). With close to 1,000 stormwater management practices (SMPs) already constructed and maintained in the public realm, the City is leading the way in green stormwater infrastructure. Throughout the City of Philadelphia, rain gardens, tree trenches, planters, and green roofs are revolutionizing the way urbanites experience stormwater management. These living systems are each planned and designed uniquely to the site, maximizing stormwater capture and fitting into the aesthetics and communities within parks, schools, streets, and vacant lands. This talk will review the Philadelphia Water Department's GSI design and monitoring, analysis, and research. It will explore three critical concepts for designing green stormwater infrastructure: constructability, performance, and longevity. The presenters will discuss lessons learned which have been informed by academic research, hydraulic modeling, and field-based observations by design, construction, monitoring, and maintenance staff.

This session will provide attendees with the knowledge to improve design standards and guidelines for better constructability. The speakers will explain how to evaluate green stormwater infrastructure performance through monitoring. And, attendees will learn how to design for longevity, by implementing techniques to reduce erosion and sediment and by evaluating planting designs across seasons and years.

SPEAKERS:

STEPHEN WHITE, CIVIL ENGINEERING SUPERVISOR – PHILADELPHIA WATER DEPARTMENT

Stephen White is a civil engineering supervisor at the Philadelphia Water Department (PWD). He manages a team of engineers who monitor the hydrologic and hydraulic performance of the water department's green stormwater infrastructure (GSI). He also manages partnerships with Villanova University and Drexel University to develop research projects to support the PWD's GSI program. He has an associate's degree in applied science

in civil engineering technology from Wake Technical Community College, bachelor's of science in construction management from East Carolina University, and master's of science in civil engineering from Drexel University, where he worked with Dr. Montalto's Sustainable Water Resources Engineering Lab.

RACHEL STREIT, MANAGING DESIGNER – CHPLANNING LTD

Rachel Streit, Managing Designer at CHPlanning Ltd., has supported planning, design, construction, and maintenance for Philadelphia Water Department's green stormwater infrastructure program since 2010. An Adjunct Lecturer at Jefferson University, Ms. Streit teaches Urban Hydrology, design studios, and graduate-level seminars. She serves on the Planning Commission for Whitpain Township. Ms. Streit holds a Masters of Landscape Architecture and Certificate in Urban Design from the University of Pennsylvania and a B.A. in Biology from Lewis & Clark College. She has worked for Longwood Gardens, Minnesota's Rice Creek Watershed District, NJ's Stony-Brook Millstone Watershed Association, and the National Science Foundation.

TIM LINEHAN, SITE DESIGN SPECIALIST – PHILADELPHIA WATER DEPARTMENT

Tim Linehan, ASLA, works at the Philadelphia Water Department planning, designing, and constructing green stormwater infrastructure as part of the Green City, Clean Waters program. He received a Bachelor's in Landscape Architecture from Jefferson University (formerly Philadelphia University) and has developed his expertise in stormwater management, urban design, horticulture, and soil science. His prior experience with design-build is a unique asset to the Department. Tim also serves as an Adjunct Lecturer at Jefferson University where he teaches a graduate-level seminar. He has guest-lectured at the University of Pennsylvania and sits on the board of Awbury Arboretum.

● SESSION 7B: PLANT THIS, NOT THAT: INFORMED PLANT SELECTION

This session will review significant pest and disease problems that affect woody plants commonly used in the landscape. Alternative selections more resistant to pests and diseases will be discussed. Choosing the correct plant based on the site conditions will also be covered, along with several common planting issues that occur routinely (planting too deep, girdling roots/ropes/wires, etc.). The ability to choose problem-resistant plants and to install them correctly so they are set up for successful growth, good health, and long life is key to sustainability (plant selection and design), good horticultural practices, landscape preservation, and vegetative management. Understanding how the environment, site factors, and host material influence pest, disease, and stress problems is essential to good landscape design, installation, and treatment options.

This session will cover several common pest and disease problems that affect woody ornamentals often used in the urban landscape. As a result of this, attendees will be able to provide alternative plant selections that are more resistant to pest, disease, and stress problems when choosing vegetation for landscapes. In addition, attendees will gain an understanding of site conditions and planting practices that will affect plant health and how to choose the appropriate plant material and/or management strategies to overcome these issues.

SPEAKER: MEGAN MCCONNELL, DIAGNOSTIC SERVICES MANAGER – BARTLETT TREE RESEARCH LABORATORY

Meg McConnell is the Diagnostic Services Manager at the Bartlett Tree Research Laboratory in Charlotte, NC. She is a plant problem, disease, and insect diagnostician specializing in woody ornamental plants. Meg is a member of the American Phytopathological Society and an ISA Certified Arborist. Her favorite parts of her job are solving diagnostic mysteries and teaching others about plant problems.

● SESSION 7C: MAPPING (IN)EQUITY: WHY URBAN HISTORIES MATTER FOR LANDSCAPE ARCHITECTS

Designer professionals of all disciplines must be cognizant of how urban histories manifest in the present. During this session, the speakers will present a mapping and participatory advocacy project of the Harvard GSD's African American Student Union (AASU) that investigates the tension between and the latent opportunity of design and social justice in the built environment. The project was born from a response to the multitude of black lives lost at the hands of law enforcement in the U.S. and has grown into an initiative that has taken the form of an

exhibit, Hackathon, and for-credit research seminar at the GSD. In efforts to humanize victims of fatal encounters, the project details the victims' community fabric through a set of categorical studies.

Currently, "Map the Gap" examines the cities of Boston, St. Louis, and Baltimore across, (1) their histories of urban renewal, (2) the stark racial divisions in their educational systems, and (3) their misaligned public transportation networks as related to job mobility. This presentation will use these case studies to engage participants by asking how design practitioners can play a role in mitigating the systemic injustices latent in cities and contribute to the development of a more equitable public realm and accessible natural spaces. In practice, design professionals are well aware of minority neighborhoods' increasing fears of gentrification and displacement, often resulting in concerted community-driven efforts delaying or stopping projects. Drawing from the AASU's work, the presentation challenges community outreach methods and explores ways in which those responsible for shaping the built environment can better serve the most underserved communities.

This session will draw connections between systemic urban histories and current socioeconomic issues that confront and challenge design projects in practice. The speakers will explain how to conduct new modes of community outreach in planning and design using participatory technologies and strategies. In addition, attendees will learn how mapping and visual representations can be used as tools for advocacy.

SPEAKERS:

MARCUS MELLO, URBAN DESIGNER – BOSTON PLANNING + DEVELOPMENT AGENCY

Marcus Mello is an incoming urban designer at the Boston Planning and Development Agency. He is currently teaching a six-week summer design course at Harvard's Graduate School of Design, where he graduated in May with dual masters degrees in architecture (M.Arch I) and urban planning (MUP). While at the GSD, Marcus worked at several design firms, non-profit organizations, and public sector agencies to better understand the roles various stakeholders play throughout the design process.

LINDSAY WOODSON, URBAN PLANNER – ONE ARCHITECTURE & URBANISM

Lindsay Woodson is an urban planner with expertise in environmental and resilience planning. With a particular affinity for vulnerable populations and waterfront communities, her work focuses on analyzing geospatial data, assessing urban risk, and developing strategies to foster resilience through innovative community partnerships and governance structures. Woodson has also spent time in city and federal government supporting her belief that designers should have a seat at the policy table. Woodson completed a dual degree in Master in Design Studies (Risk & Resilience) and Master in Urban Planning at the Harvard Graduate School of Design, and earned a Bachelor of Architecture from Syracuse School of Architecture.

12:00-2:00 PM EXPOSITION LUNCH & EXHIBITOR LABS

1:00-2:00 PM PROFESSIONAL MEET & GREET
With ASLA Student Chapters

2:00-4:30 PM WORKSHOP SESSION CONTINUED
REFER TO PAGE 10 FOR WORKSHOP DETAILS

● **SESSION 8A: MODELING FOR SUSTAINABLE URBAN DESIGN & PLANNING**

This session explores the value of parametric design, three-dimensional modeling, advanced geospatial technologies, and remote data capture for the allied design professions. We will explore how these technologies: expedite base-mapping, enhance analysis, help evaluate change, enable better design decisions, and help communicate ideas more effectively.

In the Geodesign program within the College of Architecture and the Built Environment at Thomas Jefferson University, students develop new skillsets in these innovative technologies and directly apply them to realworld projects in collaborative, trans-disciplinary studios involving landscape architecture, historic preservation, sustainable design, and architecture. Students organize design charrettes whereby community stakeholders are directly involved in the design process via 'rapid iteration' sessions (evaluating alternative 'what-if' scenarios), all in 3D and in real-time. Parametric modeling software employs data from various sources including LiDAR and sUAS (drones). Relatively inexpensive sUAS systems use advanced photogrammetry technology to quickly and cost-effectively map the built environment. Visualization is a key driver but being able to measure the success of design alternatives using sustainable design and development metrics is also important. Students at Jefferson use this cutting-edge 3D technology, geodesign workflow, and community engagement techniques to help drive innovation in design and planning of the built environment.

This session will explain how to use three-dimensional modeling as a tool to implement successful sustainable design and planning in their work. Attendees will learn how to operationalize 3D and advanced geospatial technologies for base-mapping, analysis, better design decisions, and communicating ideas more effectively. As a result of this session, attendees will understand the advantages and challenges of using 3D modeling for sustainable design and planning.

SPEAKER: JAMES QUERRY, ASSOCIATE PROFESSOR & PROGRAM DIRECTOR – THOMAS JEFFERSON UNIVERSITY

Jim is a registered landscape architect in Pennsylvania with a BLA from Penn State and an MRP from the University of Pennsylvania where he studied directly under Ian McHarg and C. Dana Tomlin. He is a frequent speaker and has delivered numerous keynote addresses ranging from various state GIS conferences to a special session at the United Nations in New York that focused on the role of GIS and geodesign in achieving the UN's 2030 agenda for sustainable development. Jim's research interest and professional passion is in parametric 3D modeling and data capture technologies including ground-based LiDAR and sUAS (drones).

● **SESSION 8B: PLANT & WILDLIFE MANAGEMENT IN LANDSCAPE ARCHITECTURE: IN-DEPTH WITH DEER**

Wildlife Management is a critical component to healthy ecosystem services. The consistent overabundance of White-tailed deer (*Odocoileus virginianus*) in the US Northeast has become an important, yet sensitive issue for today's society, landscape, and biodiversity. Sound design calls for landscape architects to be educated and to educate others on the importance of proper wildlife management (fauna and flora). This session will explain the importance of wildlife management and its effects on site design and ecosystem services. Habitat management and steps for success will also be presented. This will include fauna management, with an overview of endangered species protection and invasive species management. Proper deer management and the implications of neglect will be discussed along with an in-depth look at the following topics: safety concerns, human and vehicular conflict; species displacement and the effects on Lyme; disease concerns of overabundance; horticultural decline; and social responsibility.

Mr. Huntington will review obstacles in the planning and implementation processes as they relate to proper deer management. Data collection is key to the process and data accountability will be covered during the presentation. The importance of collaboration with the community, government, and private sector will be discussed along with strategic communications. Gene will talk about food banks and participant screening strategies. He will also review application techniques, such as: fencing strategies, when and when not to; a

community-based versus an organized program; and when to utilize a sharp shooter. The session will conclude with a presentation of follow up, monitoring, success factors, and maintenance.

SPEAKER: GENE HUNTINGTON, PRESIDENT – STEWARD GREEN

Gene Huntington (Penn State BS LARCH) is an ecological land planner who has led teams to success in project management for over 20 years. He is currently the NJ Environmental Consultant for Rutgers Board of Managers. His career has evolved from large green industry design/build projects to innovative environmental and conservation projects. Gene has been honored with NJ Governor's Awards for Environmental Excellence twice, as well as awards from the EPA and others. Gene has been the Director of Research & Natural Resources for Duke Farms and is now lead consultant for Steward Green.

• SESSION 8C: THE MAROON LANDSCAPE: CULTURAL & ENVIRONMENTAL RESILIENCY IN THE ERA OF CLIMATE ADAPTATION

Given the current state of concern for protecting our coastal environment, this session will explore a landscape topology that fosters environmental resiliency. It will describe the history, culture, and ecology of the Bayou Bienvenue wetlands; and how this particular landscape and way of life has been and can be an effective tool for climate adaptation.

On August 29, 2005 the surge from Hurricane Katrina came up the Mississippi River Gulf Outlet (MRGO) through the Central Wetlands, pushing through the ghosted cypress forest of the Bayou Bienvenue Wetland Triangle, breaching the levee wall and flooding the Lower Ninth Ward. Had the cypress in the 480 acre Bayou Bienvenue Wetland Triangle been living, transpiring trees, providing an ecosystem that protected and sustained the adjacent community, the impact of this climatic event would have been greatly lessened.

Additionally, the wetland ecosystem provided safety and freedom for the many cimarrones, runaway slaves or maroons who inhabited them in eighteenth century Louisiana. This area was part of what was known as the "Land of Gilliarde" which lay below New Orleans between the Mississippi and Lake Borgne. Today this place of escape is the Lower Ninth Ward, the Bayou Bienvenue Wetland Triangle and the Central Wetland System. Many enslaved people helped the maroons. They evidenced that not all Blacks would tolerate enslavement; an alternative way of being; and a demonstration that an understanding of the physical landscape could mean freedom and environmental protection.

This session will explain the history and ecology of places inhabited by Maroons, and how Maroons inhabited and sustained these landscapes. During this presentation, attendees will learn how restoration of Maroon Landscapes can impact coastal sustainability and climate adaptation.

SPEAKER: DIANE JONES ALLEN, PROGRAM DIRECTOR LANDSCAPE ARCHITECTURE – UNIVERSITY OF TEXAS ARLINGTON

Diane Jones Allen, D. Eng., ASLA, PLA, is the Landscape Architecture Program Director for the College of Architecture Planning and Public Affairs at the University of Texas Arlington, and Principal Landscape Architect for DesignJones, LLC, New Orleans, Louisiana. DesignJones LLC received the 2016 American Society of Landscape Architects (ASLA) Community Service Award. Diane's research explores environmental justice and sustainability in cultural landscapes, including impacts on places with unmet transportation demand, as discussed in her book *Lost in the Transit: Race Transit Access and Suburban Form*, Routledge Publishers. Diane also co-edited *Design As Democracy: Techniques for Collective Creativity*, Island Press which won an EDRA Great Places Award, Book Category 2018.

● **SESSION 9A: SERENDIPITY VS STRATEGY: THE NEED FOR NATIVES**

The critical shortage of native seed and plants available for restoration, particularly in the context of disaster recovery and resilience projects, is an issue of national significance. This session, moderated by Donna Walcavage, takes a deep dive into native seed and plant availability at national and regional scales and the process to ensure its successful integration on a project site. Using the Greenbelt Native Plant Center as an example, Edward Toth will discuss the producer perspective and getting the right seed/plant to the right place at the right time. As part of this presentation, the topics of banking seed and plant material development will be covered. He will review procurement timing; planting dates; project delays and availability; and specifications. Using a NYC waterfront project as a case study, Sara Morrison will discuss the opportunities and challenges of using native seed and plants on a restoration project. She will review topics to include: short-term establishment, long-term persistence and ecological integration, contract length and phased restoration planting, and the financial implications of this approach.

This session will address how we, as landscape architects, can become champions for this critical issue through our projects. The speakers will also discuss the challenges and successes of procuring native seed and plant materials for resilience projects. Attendees will learn why locally adapted seed and plant materials provide the greatest assurance of short-term establishment and long-term persistence.

SPEAKERS:

DONNA WALCAVAGE, PRINCIPAL – STANTEC

Donna Walcavage has focused on the planning and design of public realm spaces across New York City. Streetscapes, urban waterfront redevelopment, bikeway and pedestrian facilities, and public open spaces have been key areas of her practice. Donna's advocacy for the profession of landscape architecture as a partner to engineering solutions demonstrated that good design alters the public perception of projects. Her current projects include a Shoreline Protection Plan for Tottenville, Staten Island, and the East Midtown Greenway, which will be built on a new structure outboard of the East River edge.

SARA MORRISON, LANDSCAPE ARCHITECTURAL DESIGNER – STANTEC

Sara Morrison is a project manager and landscape architectural designer with a master's degree from the Bernard and Anne Spitzer School of Architecture at the City College of New York, where her research focused on urban ecologies and community values of landscape. Sara's experience at Stantec has focused on resiliency and climate adaptation projects of varying scales. She is currently project manager for the Tottenville Shoreline Protection project, a coastal resiliency project working in tandem with the Rebuild by Design Living Breakwaters team to provide a layered system of risk reduction, ecological resiliency, and social resiliency for the Tottenville community of Staten Island.

EDWARD TOTH, DIRECTOR – GREENBELT NATIVE PLANT CENTER & MID ATLANTIC REGIONAL SEED BANK

Edward Toth is founder and director of NYC Parks' Greenbelt Native Plant Center (GNPC), the oldest and largest municipally-owned native plant nursery in the U.S. The GNPC, through its programs and partnerships, works towards the conservation of the region's native flora. In 2012, he initiated the Mid-Atlantic Regional Seed Bank, a regional partner of the national Seeds of Success program. He views seed as a critical natural resource and its wise management as essential to sustainable land management and mitigating climate change. He is a recipient of the 2018 Sloan Public Service Award from the Fund for the City of New York.

● SESSION 9B: GARDENS TRANSFORMED

What Landscape Architect is not looking for the element of the unexpected... the "WOW" factor in their landscapes? Many fall short of transforming their vision into a lush and imaginative reality. How can we create extraordinary outdoor living spaces and landscapes that invite us in and keep us coming back? How can we achieve four-season experiences? What choices do we make to create landscapes where there is always something taking front stage? And how do we make these landscapes easy to maintain and sustainable for years to come? Finally, how do we translate the necessary design elements for success to all scales of projects? Sandra Clinton's painterly approach, extensive plant knowledge, and keen eye for proportion, spatial design, and place making abilities combine in exuberant gardens of all types, shapes, and sizes that highlight the seasonal rhythms of the landscape and nature. With an astute observation of natural landscapes and inspirations from extensive world travels, Sandy will share dramatic examples of landscapes and gardens that she and her firm, Clinton & Associates, have designed and constructed. Many of these examples have served to push the boundaries of landscape architecture and planting design beyond tradition. Gardens Transformed will look at commercial and mixed-use projects, as well as estates and intimate residential garden designs, from broad-brush design principles and process, to intricate details of soil amendments, construction methods, and specific characteristics and combinations of plant materials.

Attendees of this session will learn planting design methods using mass planting schemes, plants as sculpture in the landscape, layering techniques of planting design, and great combinations of plant palettes. They will gain knowledge about different types of construction materials, planting opportunities, water features, and site lighting that help to enliven urban/retail landscapes and keep people returning. Participants will also gain an understanding of the importance of site work, soil amendments, and soil preparation prior to planting in order to create sustainable landscapes that thrive.

SPEAKER: SANDRA CLINTON, PRESIDENT – CLINTON & ASSOCIATES, LANDSCAPE ARCHITECTS

Sandra Youssef Clinton is an accomplished landscape architect and horticulturist experienced in mixed-use, retail, commercial, institutional, and private residential design. Her firm has won countless awards for their innovative use of building materials, acute understanding of outdoor scale, and extraordinary expertise and approach to planting design. Sandy integrates her passion for plants and sustainable practices with her innate talents as a designer to create dramatic, contemporary, and seasonally changing landscapes. Her love of impressionist paintings, and her own adventures in encaustics and collage arts, serve to influence the painterly landscapes that are her firm's trademark.

● SESSION 9C: REPRESENTING & DESIGNING FOR ENVIRONMENTAL LOSSES & ENVIRONMENTAL JUSTICE

This presentation explores strategies for addressing the cultural, social, and emotional aspects of biodiversity loss, environmental degradation, and climate change. What composes a Superfund site beyond contaminants and remediation strategies? What other kinds of work need to be done with the communities living on or near these sites? What is the role for landscape architects beyond remediation, capping, and phytoremediation strategies? This talk explores how design theory and practice can address environmental losses and work with impacted communities to address the changes to culture and lifestyle that accompany these losses, making discussions of environmental justice central to such work.

The 'Marking Environmental Losses' design studio, taught at Rutgers in the Spring of 2018, was used as a platform for this discussion. The studio addressed two main issues. The first was effective and accessible communication of scientific information about environmental issues. Secondly, it explored methodologies for advocating for environmental justice in marginalized communities. The work aimed to present complex environmental data from EPA reports and other sources, alongside narratives of human experience, in order to make this information accessible and comprehensible. While scientific studies provide knowledge, focus on objective data can strip away significance. A different vocabulary is required to communicate the impact on human communities and the transmission of cultural practices – especially those connected to the land. Using her design studio as a case study, Anita will demonstrate strategies for effectively including the role of human experience in assessing environmental loss and advocating for environmental justice in planning and design strategies.

SPEAKER: ANITA BAKSHI, INSTRUCTOR – RUTGERS LANDSCAPE ARCHITECTURE DEPARTMENT

Anita Bakshi teaches in the Department of Landscape Architecture at Rutgers University, where she is also an affiliated lecturer for the Cultural Heritage and Preservation Studies (CHAPS) Program. She is a co-convenor of the Society & Design Lab Working Group based in the Center for Cultural Analysis. Her book, *Topographies of Memories: A New Poetics of Commemoration* was published by Palgrave Macmillan (2017) in the Palgrave Series in Cultural Heritage and Conflict. Following several years in architectural practice in Chicago, California, and Istanbul, she received her PhD in the History and Theory of Architecture from Cambridge University with the Conflict in Cities Research Programme. For more information: anita-bakshi.squarespace.com

4:10-4:40 PM EXPOSITION REFRESHMENT BREAK

4:40-5:40 PM KEYNOTE SESSION

• SESSION 10KN: SOCIAL AND ENVIRONMENTAL SPACE

This session will address the contemporary practice of landscape architecture in terms of current issues of social and environmental space. Several recent projects will be presented that address these issues and highlight the landscape architect's role in creating a solution.

Ken Smith will demonstrate, through project experience, how to create public space for social accessibility and inclusion. He will discuss opportunities to create meaningful landscape designs as part of multi-function urban infrastructure projects. The session will also include sustainable landscape designs for storm water detention, treatment, and reuse as well as creating landscapes with native plants that respond to challenging environmental conditions. The work showcased will illustrate the essential role the profession plays in creating landscapes and public spaces that enhance human quality of life.

SPEAKER: KEN SMITH, PRINCIPAL – KEN SMITH WORKSHOP

Ken Smith is one of the best known of a generation of landscape architects equally at home in the worlds of art, architecture, and urbanism. Trained in both design and the fine arts, he explores the relationship between art, contemporary culture, and landscape. He is committed to creating landscapes, especially parks and other public spaces, as a way of improving the quality of urban life. His firm, Ken Smith Workshop is based in New York City.

6:00-7:00 PM PROFESSIONAL DESIGN AWARDS PRESENTATION

Please join us during this special design awards presentation. There will be an interactive component with prizes and special giveaways. Complimentary beer, wine, beverages and snacks will be served.

7:00-8:30 PM AWARDS & EXPOSITION COCKTAIL RECEPTION

Mingle with award winners and friends while enjoying an array of hors d'oeuvres. Registration includes a complimentary beverage from the bar.

TUESDAY . FEBRUARY . 12 . 2019

7:30 AM **REGISTRATION OPENS**

7:30-8:30 AM **EXPOSITION BREAKFAST**

8:30-8:50 AM **OPENING REMARKS**

8:50-9:50 AM **KEYNOTE SESSION**

● **SESSION 11KN: AT THE WATER'S EDGE: RIVERFRONT & COASTAL RESTORATION**

Nowhere is the ability to design with nature more evident than on our waterways. And, in an era of increased awareness of the importance of environmental sustainability and the consistent threats posed by climate change, our waterways have become the proverbial front line.

In this presentation of recent work, Gina will be discussing three case studies on resiliency focused on urban waterways, both coastal and riverine environments. She will cover projects ranging from strategic planning scale (i.e. a regional approach for a river) to realized site-specific work (i.e. design solutions for a coastal park). She will illuminate the role of interdisciplinary technical partners in the work – from traditional engineering to ecologically based thinking. Lastly, she will showcase a range of approaches to community engagement in the planning and design process.

During this keynote, attendees will learn about the specific environmental pressures on our urban waterways and waterfronts from environmental contamination to sea level rise. The session will discuss specific planning and design strategies that address the challenges of urban waterfronts while also creating new multi-benefit solutions. In addition, Gina Ford will discuss different tactics and approaches to community outreach, engagement, and input in large complex environmental work.

SPEAKER: GINA FORD, PRINCIPAL – AGENCY LANDSCAPE + PLANNING

Gina Ford is a landscape architect, co-founder, and principal of Agency Landscape + Planning. Underpinning her two decades of practice are a commitment to the design and planning of public places and the perpetuation of the value of landscape architecture via thought leadership, teaching, writing, and lecturing. Her work has received awards from the American Society of Landscape Architects, the American Planning Association, and the American Institute of Architects, among others. Gina is on the board of directors for The Cultural Landscape Foundation and was the recipient of the Harvard Graduate School of Design's Charles Eliot Traveling Fellowship and Wellesley College's Shaw Fellowship.

• SESSION 12A: CODIFY: COMPUTATION IN LANDSCAPE ARCHITECTURE

In many ways, computational landscape architecture requires us to evolve intellectually. If we can take a more humble approach to the planet, we'll find ways not only to surpass our current limits of construction and evolution, but also to bring a rich and evolving ecosystem with us. Computational design, or the convergence of designers' intuition and computational processes, advances the profession of landscape architecture into the 21st century. From computer-aided design to cutting edge three-dimensional and virtual modeling, computation is essential to modern design methods. This session will be grounded in a history of computation within the discipline of landscape architecture, outline current trends in computation through case studies, and explore future potential for using digital technologies within the discipline of landscape architecture. Mr. Cantrell will illustrate how computation in landscape architecture will embed the complexity of natural ecological systems into our design and planning strategies. The session will be framed by Bradley Cantrell's recently published book, *Codify*, as well as through academic research and also practitioners who are currently exploring the concept of computational landscape architecture.

This session will explore the use of computation technology to advance the understanding of landscape systems and materials. It will provide attendees with an understanding of how to use computational landscape architecture to build physical infrastructures and natural landscapes that relate symbiotically with our cities and natural systems. Attendees will develop a clear understanding of the history of computation in landscape architecture and create a clear relationship between computation and current working methods in the practice of landscape architecture.

SPEAKER: BRADLEY CANTRELL, PROFESSOR & CHAIR OF LANDSCAPE ARCHITECTURE – UNIVERSITY OF VIRGINIA

Bradley Cantrell is a landscape architect and scholar whose work focuses on the role of computation and media in environmental and ecological design. Professor Cantrell received his BSLA from the University of Kentucky and his MLA from the Harvard Graduate School of Design. His work points to a series of methodologies that develop modes of modeling, simulation, and embedded computation that express and engage the complexity of overlapping physical, cultural, and economic systems.

• SESSION 12B: TRANSCENDING CONSTRAINTS TO CREATE TIMELESS OUTDOOR ENVIRONMENTS

As landscape architects, we are all versed in key analysis and design principles that must be employed in the creation of outdoor living spaces. However, all too often severe site constraints, client wish-lists, budget concerns, and regulatory controls consume our attention; we "solve" all the issues yet don't fully succeed in synthesizing constraints, opportunities, and programs to create ageless and graceful resolutions of both big picture and small details. Through several before and after case studies of award-winning residential gardens, Renée Byers will share essential design principles and process strategies she has honed over the years.

The presentation will demonstrate practical approaches to manipulating difficult topography to create and enhance outdoor rooms for specific client uses. Renée will discuss approaches to planting design throughout the seasons, in various habitats from sun to shade, woodland to suburban, where plants are regarded as integral and inseparable counterpoints to the built forms of any successful landscape. She will highlight methodologies for incorporating customized details that advance the language of landscape design, to solve functional and aesthetic challenges, including lighting, site furnishings, and water features. Attendees will also learn strategies for bringing the client's vision to reality while building collaborative relationships with architects, engineers, and contractors, all essential members of the project team.

SPEAKER: RENÉE BYERS, PRESIDENT – RENÉE BYERS LANDSCAPE ARCHITECT, PC

Renée Byers, ASLA, brings thirty-five years of experience to her residential design practice. Prior to founding her studio in 1998, her work included the site design for corporate headquarters, movie studios, and public parks for nationally recognized firms. She has lectured for the NY Botanical Garden and The Cultural Landscape Foundation's *Garden Dialogues*, a symposium examining the collaborative process between designers and clients. Featured in the book, *Private Paradise: Contemporary American Gardens*, Renée has also received multiple awards, including the 2018 ASLA-NY Design Awards, where she received both an Honor and a Merit Prize for two of her projects.

11:00-1:00 PM EXPOSITION LUNCH & EXHIBITOR LABS

1:00-2:00 PM CONCURRENT SESSIONS

● SESSION 13A: WORK IN PROGRESS: TRANSFORMING FRESH KILLS LANDFILL INTO FRESHKILLS PARK

At 2,200 acres, Freshkills Park will be almost three times the size of Central Park and the largest park developed in New York City in over 100 years. Formerly the world's largest landfill, Freshkills Park will hold a variety of public spaces and facilities including: playgrounds, athletic fields, kayak launches, and large-scale art installations. Areas of the park will be designed for passive recreation, environmental education, and cultural programs. A related community benefit will be a new vehicular access road to the West Shore Expressway from the neighborhood east of the park. The adaptive re-use of this landfill is an on-going collaboration with the New York City Department of Sanitation and the New York State Department of Environmental Conservation. After a comprehensive master plan completed a decade ago, the park is now in construction and is scheduled to open in phases through 2036.

This session will provide an overview of completed and future projects at Freshkills Park with an in-depth look at how landscape architecture has played a critical role in the complex landfill-to-park restoration project. The panel of landscape architects from the design team will demonstrate how they used natural systems surveys and sustainable design practices to employ a holistic approach to each phase of the restoration. The landscape architects will discuss project details to include: site analysis, grading challenges, and constructed wetlands. In addition, they will show how erosion control and stormwater management techniques are essential to the success of this project.

SPEAKERS: ADRIAN SMITH, STEPHEN WHITEHOUSE, AND ANDREW DEER

ADRIAN SMITH, TEAM LEADER: STATEN ISLAND CAPITAL PROJECTS – NYC PARKS

Adrian Smith, FASLA has lived and worked in NYC for 30 years. The ultimate goal of his work is to create an enduring connection between people and nature, expressed in unique and personal landscapes. After graduating from Penn State, he developed his creative and technical skills working for several private firms, including Sawyer | Berson, EDAW, and Reed | Hilderbrand. He created landscapes and gardens for college campuses, museums, and private residences in the US, and for housing developments, resort towns, and college campuses in Egypt, Libya and Oman. Currently at NYC Parks, his team of over 20 landscape professionals design and build the parks and playgrounds on Staten Island, including Freshkills Park.

STEPHEN WHITEHOUSE, PARTNER – STARR WHITEHOUSE LANDSCAPE ARCHITECTS AND PLANNERS

Stephen Whitehouse, ASLA, AICP, LEED AP is a landscape architect and planner who focuses on the environmental quality and social vitality of places. With Laura Starr he founded Starr Whitehouse, an interdisciplinary practice in New York that is committed to making urban density livable. His award-winning work includes the LEED-Platinum Bushwick Inlet Park in Brooklyn, Southwest Park in Hoboken, outdoor social spaces at new urban residential communities, and the Rebuild by Design BIG U plan for Lower Manhattan. He is currently designing the South Park project at Freshkills in Staten Island.

ANDREW DEER, SENIOR PROJECT MANAGER – NYC PARKS

Andrew Deer, RLA, ASLA, LEED AP has over 20 years of experience in landscape architecture and urban design. Mr. Deer has been working on Freshkills Park since 2009 and serves as Senior Project Manager overseeing capital projects at the park. He is a NY state licensed landscape architect and has previously worked with AECOM / EDAW and SmithGroupJJR. Mr. Deer holds a Masters of Urban Design from the University of Michigan and a BLA from Michigan State University. Prior to coming to New York City, he spent two years in Mauritania, West Africa, with the U.S. Peace Corps.

● SESSION 13B: RESTORING THE FUTURE IN A RAPIDLY CHANGING WORLD

Humans are altering the planet's ecosystems in ways and in magnitude unthinkable even a few short decades ago. Climate change, habitat fragmentation, and invasive species are rapidly changing species composition and ecosystem functions different from anything we have seen in past or present systems.

While ecosystems are always changing, the rate and pervasiveness of change from multiple environmental and cultural stressors are making us rethink what it means to restore and manage these communities. All landscape interventions we undertake display an underlying set of ethical and moral precepts. Do we embrace an anthropocentric utilitarian paradigm and mix and match biota to fit narrow human objectives or do we follow a biocentric approach and make it a fundamental right for all life forms to exist? Or is there a middle ground? Keith will examine what it means to be regenerative, to think whole systems and to apply a living systems approach in a rapidly changing world. Using case studies, Keith will review climate change adaptation, whole-systems water management, and urban ecology initiatives, among others.

As a result of this session, attendees will understand how ecology plays a pivotal role in the health and welfare of human landscapes. They will understand how ecology can be applied to projects in a scientific and meaningful way. And, they will learn how to incorporate ecological science into their landscape architecture projects.

SPEAKER: KEITH BOWERS, PRESIDENT – BIOHABITATS, INC.

For nearly three decades, Keith Bowers has been at the forefront of applied ecology, green infrastructure, and place-based design. As the founder and president of Biohabitats, Keith has built a multidisciplinary organization focused on conservation planning, ecological restoration, and regenerative design. Biohabitats' approach can best be defined as a blend of sound science, place-based design, and ecological democracy. It is rooted in deep ecology with an underpinning that all species have equal rights, and that we have an ethical obligation to ensure that our actions do not interfere with their evolutionary potential. He is a Fellow of the American Society of Landscape Architects and is a Professional Wetland Scientist.

2:10-2:20 PM

CLOSING REMARKS

2:20-3:20 PM

CLOSING KEYNOTE

• SESSION 14KN: WHY NOT CULTURAL SYSTEMS?

The public and critical recognition of the role of landscape architecture and landscape architects in shaping our shared public realm is growing. However, the cultural value of our shared landscape legacy is often little known or understood, and most arbiters of this legacy (including architecture critics) are often ill-equipped to assess and contextualize it particularly when threats to significant works of landscape architecture arise. The time has come for practitioners to play a key role in expanding this discourse.

This keynote presentation will begin by laying out the challenges and opportunities of this current situation. Strategies for documenting and analyzing historic and cultural values for landscapes will be put forth. Design and management solutions that place a value on historic and cultural fabric will be showcased as examples for inspiration and replication. Attendees will learn how these solutions meet and exceed the challenge to value history and culture at an equivalent level to that which is often placed on natural and ecological systems. This idea of holistic stewardship will form a foundation for professional practice and a broadened set of ethics.

SPEAKER: CHARLES BIRNBAUM, PRESIDENT + CEO – THE CULTURAL LANDSCAPE FOUNDATION

Charles A. Birnbaum, FASLA, is president, CEO, and founder of The Cultural Landscape Foundation (TCLF). Prior to TCLF, he spent 15 years as Coordinator, NPS Historic Landscape Initiative, and a decade in private practice. He served as a Loeb Fellow at Harvard's GSD (1997-98) and was awarded the Rome Prize in Historic Preservation and Conservation in 2004. He was the Glimcher Distinguished Professor at Ohio State University's School of Architecture (2004). The ASLA has awarded him the LaGasse Medal (2004), the President's Medal (2009), and the ASLA Medal (2017). Birnbaum was a Visiting Professor at the Columbia University Graduate School of Architecture Planning + Preservation and a frequent contributor to *The Huffington Post*.

3:20 PM

2019 ANNUAL MEETING ADJOURNED

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