

FROM THE         GROUND UP

NEW JERSEY ASLA

2018 ANNUAL MEETING
FEBRUARY 11-13

HARRAH'S WATERFRONT
CONFERENCE CENTER

WWW.NJASLA.ORG

REGISTER TODAY

EARLY REGISTRATION ENDS
JANUARY 18 . 2018

PROGRAM ITINERARY

& COURSE DESCRIPTIONS

HOTEL REGISTRATION INFORMATION

Sunday 2/11/18 through Tuesday 2/13/18: 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 **SHO2LA8** and the show name is **NJ-ASLA**.
Cutoff date for the special rate is 1/19/18. Book NOW, while rooms last!

CONFERENCE REGISTRATION INFORMATION

Book reservations at WWW.NJASLA.ORG or call 888-516-2215 or

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 entry to the Cocktail Receptions.

GUEST PACKAGE

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.

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: \$50

Emeritus: \$250

**The above registration rates, reflect the EARLY discount rate. Registrations received after January 21, 2018, will be subject to a \$50 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, one on one 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.

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

Please join us in honoring our esteemed colleagues during this special presentation Monday evening. We have an exciting new format this year! There will be an interactive component with prizes and special giveaways. Complimentary drinks and hors d'oeuvres will be served.

PROFESSIONAL AWARDS PRESENTATION GUESTS

Guests of award winners may purchase a ticket to attend the Professional Awards Presentation Reception on Monday evening. The fee is \$50 per guest.

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.

LARE PREP WORKSHOP

If you are in the LARE process or just starting to plan for it, this lively LARE Prep workshop will help you focus your efforts. The workshop will take place at the Annual Meeting on Sunday from 9:30 am to 5:00 pm. There is a separate registration fee of \$180 for this workshop.

For more information and to register, visit the Corson Learning website at CorsonLearning.com and click on Register and Purchase.



MEETING SCHEDULE AND CONTINUING EDUCATION CREDITS

SUNDAY • FEBRUARY 11 • 2018	TIME	SESSION	SESSION TITLE	NJ.PA.DE & LACES	NY(+HSW)	AICP
		12:00 • 1:00 PM	REGISTRATION & LUNCH			
	1:00 • 1:30 PM	Opening	NJASLA President & RULA Chair			
	1:30 • 2:30 PM	Keynote 1	Landscape for This Day and Age	1.0	1.0 HSW	
	2:40 • 3:40 PM	Session 2	Parks & Open Spaces for All: Diverse & Age Friendly	1.0	1.0 HSW	1.0
		Session 3	The Role of Forests as Green Infrastructure	1.0	1.0 HSW	1.0
	3:40 • 3:50 PM	REFRESHMENT BREAK				
	3:50 • 4:50 PM	Session 4	Restoration Ecology in the Soil	1.0	1.0 HSW	
		Session 5	Transformative Urban Spaces: Dilworth Park	1.0	1.0 HSW	1.0
	5:00 • 6:00 PM	Session 6	Cultural Infrastructure: Resource Management	1.0	1.0 HSW	
		Session 7	Bridging the Divide Between Rendering & Reality	1.0	1.0 HSW	
	6:00 • 7:00 PM	EXECUTIVE COMMITTEE MEETING				
	7:00 • 8:30 PM	WELCOME COCKTAIL RECEPTION				
SUNDAY • CONTINUING EDUCATION UNITS				4.0	4.0 HSW	2.0

MONDAY • FEBRUARY 12 • 2018	TIME	SESSION	SESSION TITLE	NJ.PA.DE & LACES	NY(+HSW)	AICP
		7:30 AM • 8:30 AM	REGISTRATION & BREAKFAST			
	8:30 • 8:40 AM	Opening	ASLA National President			
	8:40 • 9:40 AM	Keynote 8	Climate Urbanism: Are We Ready?	1.0	1.0 HSW	
	9:50 • 10:50 AM	Session 9	Building a Business: Q&A Panel Discussion	1.0		
		Session 10	Sustainable Stormwater Research: Green Infrastructure	1.0	1.0 HSW	1.0
		Session 11	Life Below: Lessons Learned from the Lowline Lab	1.0	1.0 HSW	
	10:50-11:00 AM	COFFEE BREAK				
	11:00 • 12:00 AM	Session 12	Drawn To Water: Burlington NJ Riverfront Promenade	1.0	1.0 HSW	1.0
		Session 13	Perceptually Accurate Renderings / SketchUp & Rhino	1.0	1.0	
		Session 14	Importance of Soil Science During Construction	1.0	1.0 HSW	
	12:00 • 2:00 PM	EXPOSITION LUNCH				
	2:00 • 3:00 PM	Session 15	Kids Aren't Alright: Playgrounds in Bubble Wrap Generation	1.0	1.0 HSW	1.0
		Session 16	Catching Water & Harvesting Concrete	1.0	1.0 HSW	
		Session 17	Low Impact Stormwater Management at Rutgers	1.0	1.0 HSW	1.0
	3:10 • 4:10 PM	Session 18	Lasting Visions Through Strong Relationships	1.0		
		Session 19	Combatting Degradation On Metal Finishes	1.0	1.0	
		Session 20	Experiencing Infrastructure	1.0	1.0 HSW	
	4:10 • 4:40 PM	REFRESHMENT BREAK				
	4:40 • 5:40 PM	Session 21	Designing PRFCT: Landscapes Maintained W/O Chemicals	1.0	1.0 HSW	
		Session 22	Representing NJ: Landscape of the Garden State	1.0		
	6:00 • 7:00 PM	PROFESSIONAL DESIGN AWARDS PRESENTATION				
	7:00 • 8:30 PM	DESIGN AWARDS & EXPOSITION COCKTAIL RECEPTION				
MONDAY • CONTINUING EDUCATION UNITS				6.0	6.0 HSW	3.0

TUESDAY • FEBRUARY 13 • 2018	TIME	SESSION	SESSION TITLE	NJ.PA.DE & LACES	NY(+HSW)	AICP
		7:30 • 8:30 AM	REGISTRATION & BREAKFAST			
	8:30 • 8:50 AM	Opening	Opening Remarks			
	8:50 • 9:50 AM	Keynote 23	Integration of Nature & Technology for Smart Cities	1.0	1.0 HSW	1.0
	10:00 • 11:00 AM	Session 24	Four Dimensions: Time and Successional Process	1.0	1.0 HSW	
		Session 25	The Complexity of Simplicity: The Met Plaza	1.0	1.0 HSW	
		Session 26	Inland from the Coast: Greater Well-being / Communities	1.0	1.0 HSW	1.0
	11:00 AM • 1:00 PM	EXPOSITION LUNCH				
	1:00 • 2:00 PM	Session 27	Resilience in Planning: A Racial Equity & Social Justice Lens	1.0	1.0 HSW	1.0
		Session 28	Pop-up, Pilot, Permanent: Urban Transformation	1.0	1.0 HSW	1.0
		Session 29	The Hows and Wherefores of Planting Soil Specifications	1.0	1.0 HSW	
	2:10 • 2:20 PM	Closing	NJASLA President Elect			
	2:20 • 3:20 PM	Keynote 30	Lessons from the NPS Urban Agenda	1.0	1.0 HSW	
TUESDAY • CONTINUING EDUCATION UNITS				4.0	4.0 HSW	3.0

ANNUAL MEETING . TOTAL CONTINUING EDUCATION CREDITS: 14.0 14.0 HSW 8.0

SUNDAY . FEBRUARY . 11 . 2018

12:00 PM **REGISTRATION OPENS**
REGISTRATION DESK OPEN 12:00 PM - 6:00 PM

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

1:00-1:30 PM **OPENING REMARKS**
NJASLA PRESIDENT JOHN MORGAN THOMAS
RUTGERS LA DEPARTMENT CHAIR WOLFRAM HOEFER

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

SESSION 1: LANDSCAPE FOR THIS DAY AND AGE

This session will provide an overview of the current challenges that landscape architecture confronts in the current political environment, and observations on ways the natural strength of landscape architecture's core ethics and principles can help navigate and surmount those challenges.

The new administration has begun an effort to undo existing environmental protection measures. These actions run against the grain of health, safety, and welfare factors that are at the core of every landscape architect's ethical and legal responsibility. They typically do not make for big headlines, as they play out in the administrative background. There are, however, ways for concerned professionals to counter these moves through both individual and collective action.

This session will focus on ways practitioners can help to stop or slow regression into a rules-free business environment. Many rule changes by federal agencies require public comment periods, when individuals or organizations can weigh in on the effects of proposed alterations. The administration's proposed dramatic cuts in regulatory agency budgets such as the U.S. Environmental Protection Agency and the Department of the Interior must survive a legislative process as appropriations are made by congressional committees. Many members of these committees, even conservative members, are skeptical toward wholesale cutting of programs important to their constituents.

Attendees of this session will hear about important executive branch and congressional actions that are under way or are imminent and learn how to respond substantively through advocacy and political action to influence public policy and regulation most relevant to landscape architecture.

Speaker: Bradford McKee

Brad McKee began working as the editor of *Landscape Architecture Magazine* in the spring of 2010, just before the magazine's 100th anniversary. To mark that occasion, he led a total redesign and reprogramming of the magazine. Brad started his design publishing career at the magazine *Architecture* in the early 1990s. He also worked as the arts editor of *Washington City Paper* for several years and as a contract reporter for the *New York Times* from 2000 to 2006 and during that time, also worked in a Maryland nursery.



SESSION 2: PARKS AND OPEN SPACES FOR ALL – INCLUSIVE ENGAGEMENT FOR DIVERSE COMMUNITIES

As our urban populations age and become more diverse, how can we create places and opportunities for diverse and aging communities to thrive? How can we engage communities in creating gathering places in inclusive, meaningful, and creative ways? How can we design community places that promote health, diversity, and active living? Using examples from the United States and abroad, Professor Jeff Hou from the University of Washington, Seattle will share techniques and examples of best practices in community engagement to design and create inclusive places. In this session, participants will learn about intergenerational participation, methods of cross-cultural learning and engagement, and practices of creative placemaking. Through a case study of a decade-long community-engaged design in Seattle's International District, participants will also learn about how both private practices and public agencies can work with community and university partners to become more effective in their community outreach and design effort. Projects include neighborhood parks, green streets, parklets, historic alleyways, and programming.

Speaker: Jeffrey Hou

Jeffrey Hou PhD is a Professor of Landscape Architecture and Director of the Institute for Built Environment Innovations at the University of Washington, Seattle. His work focuses on community engagement, public space, and transcultural placemaking, with an emphasis on engaging marginalized social groups in design and planning. Hou is internationally recognized for his pioneering work on guerrilla urbanism and bottom-up placemaking, with collaborative publications including; *Insurgent Public Space: Guerrilla Urbanism and the Remaking of Contemporary Cities* (2010), *Transcultural Cities: Border-Crossing and Placemaking* (2013), and *Design as Democracy: Techniques for Collective Creativity* (2018).

SESSION 3: THE ROLE OF FORESTS AS GREEN INFRASTRUCTURE

Watershed management addresses the way land use and land cover can influence the quantity and quality of water that flows into our rivers and streams. Natural vegetation, such as forests, provide ecosystem functions that improve water quality and intercept storm water run-off. In other words, they act as a natural counterpart of modern engineered green infrastructure.

This session will address two primary questions: First, how do the ecosystem functions of a forest compare to engineered green infrastructure? Second, what can we learn from forest structure and function to improve the design of green infrastructure? Through a series of case studies and data from field studies, the audience will be introduced to ways that they can better assess and design green infrastructure in suburban and urban settings. The design suggestions will be compared to current best management standards and practices. This discussion will also elucidate several points regarding the relationships between human and natural systems such as resource conservation, habitat restoration and creation, and urban ecology.

Speaker: JeanMarie Hartman

Dr. Hartman has been teaching ecological design principles to landscape architecture students for over thirty years. Her role in research, teaching, and outreach helps bridge the gap between ecology and design, as her work generates new scientific understandings of complex ecological systems and indicates the ways in which design, planning, and policy can help protect and restore them. Dr. Hartman's current research focuses on watershed management, especially the relationship between healthy forests and water quality.

SESSION 4: RESTORATION ECOLOGY IN THE SOIL

Planning and designing new native landscapes to increase ecological services and biodiversity requires attention to many environmental problems. Constraints in soil physical and biotic character must be engaged. From the diversity of soil mycorrhizae and bacteria, to soil depth and texture, to microsite architecture that supports habitats for a wide range of biodiversity, the landscape project must consider many soil factors. Can these constraints be overcome by design or are the hurdles too high?

Experimental work in the NY/NJ metro area has shown that the fungal symbionts of plants in the soil, mycorrhizae, vary significantly from urban areas to rural areas and lack of these microbes may affect the success of your projects. Many plant species have specific symbionts that are not commercially available. This work was done with DNA analyses of soil fungi, a tool that cannot be used during the normal landscape analysis stages of our projects.

Much work is being done on landfills and brownfields in urban areas and there is a regulatory concern that roots may damage or pierce the cap over these regulated sites, particularly when the soil depth is not great. Experimental work in New York City and elsewhere has shown that root growth dynamics are quite plastic, mutable, and that this concern may not be a constraint in many sites. Designed caps are usually stronger than the piercing force of root hairs.

Finally, the design of the soil profile always considers plant growth needs, but soil, especially in ecological restoration projects, must also be favorable as habitat for desired animals from insect pollinators to native vertebrates. Design of the soil can include microhabitat features that facilitate the colonization of these animals which can be critical to long-term restoration success. Examples of such modification from large public park projects show how this atypical design need can be incorporated into our work.

Speaker: Steven N. Handel

Steven Handel is a restoration ecologist studying the potential for improvement of habitats, biodiversity, and ecological services in urban areas. His scientific background is in plant population ecology and plant-animal interactions. He collaborates with landscape architects to apply ecological concepts to the design of urban parks. He is an Aldo Leopold Leadership Fellow of the Ecological Society of America and a Fellow of the American Association for the Advancement of Science. He serves as Editor of the journal Ecological Restoration. He was awarded "Honorary Membership" to the American Society of Landscape Architects for "nationally or internationally significant achievements" important to the profession. In 2011, the Society for Ecological Restoration presented him with the Theodore Sperry Award, their highest research award, for "pioneering work in the restoration of urban areas." Handel received his B.A. in biology from Columbia College and Ph.D. from Cornell University in the Field of Ecology and Evolution.

SESSION 5: TRANSFORMATIVE URBAN SPACES – DILWORTH PARK

This session will explore the complexities that a landscape architect must engage with to build in messy urban environments over complex infrastructure. The centerpiece for this presentation will be Dilworth Park, a recently completed civic plaza adjacent to Philadelphia's City Hall.

The presentation will cover three main topics: designing for flexibility and activation, building over complex infrastructure, and post-occupancy observations.

During the presentation, participants will learn how to balance the desire for flexibility and large events without compromising the daily use of a space. The presentation will ask participants to consider the coordination required to build over existing infrastructure and how it influences traditional roles within a project team. The presentation will also challenge participants to consider landscape architecture as a catalyst for change in urban environments.



Speaker: Greg Burrell

Greg Burrell has 14 years of experience working as a Landscape Architect at OLIN. Through his career, Greg has focused his work in complex urban environments where he has designed, documented, and constructed projects that have transformed the public realm. Greg holds a Bachelor of Landscape Architecture from Pennsylvania State University, and is a lecturer in landscape architecture at the University of Pennsylvania's School of Design. Most recently, Greg served as project manager for Dilworth Park, a revitalized civic destination along the western edge of Philadelphia's historic City Hall, and led two concurrent entries for the National Mall Design Competition - Constitution Gardens and Sylvan Theater at the Washington Monument.

5:00-6:00 PM

CONCURRENT SESSIONS

SESSION 6: CULTURAL INFRASTRUCTURE – POSSIBILITIES IN CULTURAL RESOURCE MANAGEMENT

Landscape architects are perfectly positioned to play central, advisory roles in heritage protection. There are numerous ways practitioners can bring ideas and practices rooted in principles of design to cultural resource management. Stewards of cultural sites—which broadly range from community farms to historic landmarks—are often challenged to basically sustain these special places. These clients need insights from our professional community, gleaned from best management practices, to more effectively leverage cultural assets under their care. Because heritage sites are repositories of shared values, shared beliefs, shared goals, practices and norms, expert guidance oriented towards their longevity requires a uniquely broad and comprehensive approach to service delivery. In this session we will identify different types of heritage site management, review examples of successful interventions, and recommend paths to professional development in this subject area.

Speaker: Elizabeth J. Kennedy

Elizabeth J. Kennedy, ASLA, leads Elizabeth Kennedy Landscape Architect PLLC, an open space management consulting firm established in 1994. She is a Design Trust for Public Space research fellow, and a recognized expert in the interpretation of cultural sites through sustainable landscape design. Her work in cultural green infrastructure can be seen in the Brooklyn Navy Yard Building 3 Roof Farm, and she works with non-profit developers of affordable housing to integrate green infrastructure in community redevelopment. EKLA PLLC's work under her direction has received more than 20 industry awards for excellence in cultural interpretation through design, storm water management, and historic preservation.

SESSION 7: BRIDGING THE DIVIDE BETWEEN RENDERING AND REALITY

As landscape architects, we often get lost in the grandeur of the big idea and the renderings needed to express it, focusing less time on the essential craft of communicating those ideas to the entities that will be constructing and realizing them. The art of documenting our ideas and making them clear to others for the purpose of construction needs to be brought to the forefront. Construction drawings and specifications should be given the weight of importance that they need and deserve, so that our vision and renderings become reality.

We are no longer designing simple spaces but are creating ecosystems reflecting sustainability. How is the client to know how to maintain the vision if they don't have directions or a "map"? What is the life expectancy of the paving? How will the plant growth affect that life? What type of seasonal maintenance is needed for the plants and soil stabilization? What type of equipment? Actual maintenance manuals - those that speak to the boots on the ground - need to be part of the vision. We need to think about and understand our 25 year and 50 year design goals and know how that ecosystem will be maintained.

As a member of implementation teams constructing New York's new public open spaces, Ms. Wilkus will discuss the challenges of making visions a reality. She will demonstrate how, working closely with other landscape architects, she

integrates design with science, technology, and building craft. She will discuss peer review strategies, the demands of building in one of the world's largest cities including material delivery, city agencies, seasonal restrictions for manufactured soils and plantings, and maintenance requirements. Her presentation will include notable public open spaces such as the High Line, Teardrop Park, Governors Island, and others throughout the five boroughs.

Speaker: Annette Wilkus

Annette Wilkus is a Partner of SiteWorks Landscape Architecture with over thirty years of experience in design, construction documents, and construction management. Throughout her career she has been interested in the technical aspects of landscape architecture and, in fact, founded SiteWorks in response to the increasing divergence in the building industry between the focus of design, and construction and facility management. Ms. Wilkus has been an integral member of construction management teams for many of New York's iconic open spaces including The High Line, Governors Island Park and Public Space, Teardrop Park, and Hunters Point South. Her design talents are evident in Brooklyn Botanic Garden's Native Flora Garden Extension.

6:00-7:00 PM EXECUTIVE COMMITTEE MEETING

7:00-8:30 PM MIX & MINGLE COCKTAIL RECEPTION

MONDAY . FEBRUARY . 12 . 2018

7:30 AM REGISTRATION OPENS
REGISTRATION DESK OPEN 7:30 AM - 5:30 PM

7:30-8:30 AM EXPOSITION BREAKFAST

8:30-8:40 AM OPENING REMARKS
ASLA NATIONAL PRESIDENT GREGORY A. MILLER

8:40-9:40 AM KEYNOTE

SESSION 8: CLIMATE URBANISM – ARE WE READY?

Climate Change is rapidly becoming the critical consideration in land use and development decision-making, affecting every aspect of city-building. Are we, as landscape architects, ready and able to contribute to this imperative in informed and effective ways? Is our contribution being recognized by our private clients and public institutions? Does the scope of our work fundamentally matter in the battle to adapt to climate change and mitigate its root cause?

The 2016 Landscape Architecture Foundation summit presented the views of some of the world's leading landscape practitioners and academics in this regard, leading to the publication of a New Declaration of Concern in November 2016.



But the work continues. Sustainability as the mantra of the 1980's through the first decade of this century is being overtaken by the urgency of urban resilience. It is still vital to preserve today's natural resources for the benefit of future generations, but we must now survive first as a society with the capacity to guard against catastrophic change. Every tree we plant, every drop of water we use, every material we specify enters into this equation. "Climate Urbanism" attempts to consolidate the best available information and most advanced methods of practice by which what we do can positively answer the above questions.

This session will examine such information and methods in the hope of steering our profession to roll up its sleeves and position itself at the front line of this critical generational challenge. Attendees will gain insights about how to present climate change as an opportunity for positive change leading to healthier communities.

Speaker: Ignacio Bunster-Ossa

Ignacio has over 35 years of national and international experience in the planning and design of signature public landscapes, including streets, plazas, waterfronts, urban parks, and regional parkland. Among award-winning projects are the Georgetown Waterfront Park and Anacostia Waterfront Initiative in Washington, DC; Santa Monica BIG, in Los Angeles; The Parklands of Floyd's Fork in Louisville; and the Trinity River Corridor in Dallas. He is a leading proponent of Landscape Urbanism, the planning and design of landscape-leveraged urban places integrating green infrastructure, community participation, and public art. A Harvard Loeb Fellow, Mr. Bunster-Ossa periodically lectures, teaches, writes, and serves on design-award juries. Prior to joining AECOM, Ignacio was a principal with Wallace Roberts & Todd, LLC. He is co-author of Green Infrastructure: a Landscape Approach, and author of Reconsidering Ian McHarg: The Future of Urban Ecology.

9:50-10:50 AM CONCURRENT SESSIONS

SESSION 9: BUILDING A BUSINESS - Q&A PANEL

As landscape architects, we have the ability and responsibility to influence design and business practices to facilitate the health, safety, and welfare of our communities. This session will serve as a forum for the opportunities and challenges involved with the building of a landscape architecture practice rooted in the fundamentals of our profession. The session will cover ways to navigate the regulations, incorporate the responsible practice of our profession, and position a firm for success.

During the first half of this session, the panelists will discuss their experiences with starting, maintaining, and growing their own individual firms. They each have varied backgrounds and skill sets which they have brought to the development of their own unique philosophies. They will share their knowledge, advice, success, and challenges. The second half of the session will be devoted to an interactive question and answer discussion with the panelists and attendees.

PANELISTS:

Cheryl Corson's private practice in Maryland focuses on a wide variety of landscapes and gardens, while Corson Learning is an online platform she created to offer LARE prep and webinars.

Elizabeth Kennedy founded EKLA PLLC in 1994, an innovative open space design and consulting firm in New York City. EKLA works to help organizations preserve historic landscapes, develop cultural sites, and re-imagine green infrastructure.

Meghan Talarowski is the founder and director of Studio Ludo, a non-profit firm in Philadelphia with the mission of building better play through research, design and advocacy.

Michael Todd joined The Todd Group in 2003, a landscape design/build contracting firm in New Jersey started by his father in 1975. Today, as general manager, Michael leads the growth and expansion of the business and oversees all aspects of The Todd Group's and Peters Todd's Tree Service's operations.

THE MODERATOR:

John Morgan Thomas founded his own design and consulting practice in Lambertville, NJ that focuses on artful and environmentally responsible landscape solutions specifically tailored to their clients' needs.

SESSION 10: SUSTAINABLE STORMWATER RESEARCH – DYNAMIC DESIGN OF GREEN INFRASTRUCTURE

Stormwater Management has changed dramatically in the last several years, as it has moved away from a flood control perspective toward sustainability of our rivers and watersheds. We have moved from detention basins to incorporating stormwater wetlands, pervious pavements, green roofs, bioretention, and Low Impact Development utilizing green technologies.

The first phase of green infrastructure implementation has been static in nature, crediting bowl volume and soil void space as the design focus. Single event center peaking storm distributions were or are used in evaluation. Concerns over reduced capacity due to previous storm events influence design, making it difficult to implement large-scale green infrastructure. Many green infrastructure practices have been constructed and are under study at Villanova University. Research has shown that the static approach routinely underestimates the performance of volume reduction green infrastructure practices.

Consideration of regional climate, infiltration during and after storm events, and evapotranspiration is needed to fully credit these systems, and to design in order to maximize performance. We are terming this new approach as the dynamic approach to stormwater design. Examples from current research on green infrastructure sites at Villanova University will be used as a basis for this work. Dr. Traver will discuss these issues, and results from the studies at Villanova University.

Speaker: Robert Traver

Robert Traver holds the Daylor Chair of Civil Engineering at Villanova University, and is the Director of both the Villanova Center for the Advancement of Sustainability in Engineering, and the Villanova Urban Stormwater Partnership. His current research is to advance the performance of green stormwater infrastructure through understanding the engineering unit processes. Dr. Traver initiated the Stormwater Control Measure Demonstration and Research Park on the Villanova Campus, and served on ASCE's External Review Panel (ERP) of the US Corps of Engineers investigation of Hurricane Katrina. More recently, he was a member of the National Academies Committee entitled Reducing Stormwater Discharge Contributions to Water Pollution. Dr. Traver continues to serve the profession as an associate editor of the ASCE Journal of Sustainable Water in the Build Environment, and as a steering committee member of the Water Environment Federation Stormwater Institute.

SESSION 11: LIFE BELOW – LESSONS LEARNED FROM THE LOWLINE LAB

In September 2015, the Lowline Lab was constructed as a temporary installation to test concepts and technology for the Lowline – a public space envisioned from a decommissioned subterranean trolley turnaround on the Lower East Side of Manhattan. An innovative daylighting system, artificial lights, constructed platform, plants, and exhibition were designed and installed over a few short months and remained open to the public for 16 months. Simulating the uncharted underground environment of the Lowline, the Lab was a hybrid indoor-outdoor space with light levels analogous to the understories in tropical and semi-tropical latitudes, all in a buffered New York City climate offering shelter but no artificial heating or cooling. The planting design had to take these overarching parameters into account refined by the varied light levels anticipated on the dramatic designed topography.

The Lab addressed two fundamental planting and horticulture concerns for the Lowline: 1) Plant survival in an underground urban environment and 2) community reaction to vegetation in an underground space.

The Lab was an environment with its own microclimates and challenges experienced in both exterior and interior planting. Rae Ishee from Mathews Nielsen Landscape Architects and Mark Mini from John Mini Distinctive Landscapes look back on the multi-disciplinary and horticultural lessons learned in this experimental landscape.

Speakers: Rae Ishee & Mark Mini

Rae Ishee — Ms. Ishee is a Landscape Architect at Mathews Nielsen Landscape Architects based in Manhattan. She is engaged in numerous projects ranging in scale and program typologies, from underground to the heights of Manhattan. She received a Master of Landscape Architecture and Environmental Planning from the University of California, Berkeley and also received a Master of Science in Soil Science from the University of Vermont.



Mark Mini — Mr. Mini is the VP of Operations at John Mini Distinctive Landscapes (JMdl). Mark has been involved in the installations of projects such as Baisley Park - a New York Restoration Project; The Water Club by Borgata in Atlantic City – the largest interior landscaping project in the country; the Hyatt Regency of Greenwich Atrium redesign; the Winter Garden at Brookfield Place; and the Ford Foundation Atrium plantings. Mark navigated the world of finance, the non-profit sector, and a financial technology startup for a time before returning to JMdl. Mark found his passion at JMdl, whose purpose is to makes places beautiful, functional and sustainable by bringing nature to the places people live, work, and play. Mark holds a Master's Degree in Business Administration from Columbia University and a BA in Business, Organizations and Society from Franklin & Marshall College. Mark is a Certified Landscape Professional and board member of Green Plants for Green Buildings.

10:50-11:00 AM EXPOSITION COFFEE BREAK

11:00-12:00 AM CONCURRENT SESSIONS

SESSION 12: DRAWN TO WATER – WORKING WITH BURLINGTON TO CRAFT A NEW VISION FOR ITS RIVERFRONT

This session will examine the opportunities and challenges of working with a town and its community to develop a new vision for one of its defining public open spaces. It will describe the history and fabric of the town, its community, and how strategies were developed to engage its citizens in a meaningful dialogue. It will show how this dialogue directly informed the making of a vision that was well received by the community.

The City of Burlington, New Jersey (pop. 10,000) is a town on the Delaware River some 20 miles north of Camden and Philadelphia. Residents are vigorously pursuing the revitalization of their downtown and have engaged an urban revitalization consultant to advise them on effective strategies and the prioritization of initiatives. Following the consultant's recommendations, the city is witnessing a new energy that is fermenting palpable change including new retail, restaurants, and significant residential development all with an underlying arts agenda. The city has many attractions including a 340-year cultural heritage since European settlement, a relatively intact historic fabric, a centrally located main street, excellent transit connections and probably most significantly some 1700 feet of frontage directly on the Delaware River. A major goal, identified by the consultant, was to create a new and integrated vision for the Burlington riverfront.

In approaching the project, OLIN, as landscape architect, worked with the City of Burlington to develop an approach that actively engaged the community through an online survey, public meetings, visits to local institutions and attendance at city-wide events. The resulting plan retained all the present programmed uses and expanded opportunities year-round for all generations of the community in a framework that drew strongly from an understanding of the sites history and heritage. The plan was well received by the community and is slated for implementation in the near future.

Speaker: Richard Newton

Richard Newton is a partner at OLIN and has been a member of the studio for more than two decades, playing an integral part of their signature projects—including Anthony J. Celebrezze Federal Building Plaza in Cleveland, Ohio and the Brancusi Ensemble in Târgu-Jiu, Romania. Additional work includes the City Dock Master Plan in Annapolis, Maryland; Syracuse Connective Corridor in Syracuse, New York; and the Mount Vernon Place Master Plan in Baltimore, Maryland. Current work includes the New Residential Colleges for Yale University in New Haven, Connecticut; Comcast Innovation and Technology Center in Philadelphia, Pennsylvania; and a plan for the revitalization of Rodney Square in Wilmington, Delaware. Richard earned a Diploma in Architecture from Manchester Metropolitan University and received a Master of Landscape Architecture at the University of Pennsylvania. He actively serves as an Adjunct Professor at Philadelphia University, and is a regularly invited juror at the University of Pennsylvania and Temple University.

SESSION 13: PERCEPTUALLY ACCURATE LANDSCAPE RENDERINGS USING SKETCHUP & RHINO

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.

Having said that, 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 laymen and professionals. Fortunately, there are powerful tools for SketchUp and Rhino that are easy to use, and allow a user to do just that without spending hours in Photoshop. This presentation will present and demonstrate the principles and techniques that will allow a user to quickly and easily create effective renderings that communicate the detail and emotion of a place directly within SketchUp or Rhino.

Speaker: Tim Johnson

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. 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. He has been responsible for the integration of computer technology into the curriculum for more than twenty-five years; from the general use of CAD and 3D modeling for design to the use of pen-based digital drawing. More recently, he has been working to develop the use of multi-touch computing and high-end photorealistic rendering techniques.

SESSION 14: THE IMPORTANCE OF SOIL SCIENCE DURING THE CONSTRUCTION PHASE

This session will discuss why soil science is important during the construction phase of landscape development projects. It will detail the aspects of construction observation and testing during the construction administration phase of a project and what role this plays in connecting the designer’s vision to the creation of a flourishing and sustainable landscape. Observing on-site soil profile mockups at the kick off to construction is critical to setting expectations. Discussion and visuals of soil placement best practices and worst practices, on-site testing and equipment, as well as laboratory testing and analysis will be reviewed. Case studies of various completed projects will be provided, including discussion of projects where corrective measures had to be implemented, not just during construction but sometimes, after completion and before warranty begins. Attendees will learn: the three cardinal sins of soil placement, in-field soil tests to ensure specification compliance, and how to recognize soil issues affecting successful project completion.

Speaker: John Swallow

Dr. Swallow is a Principal and founder of Pine & Swallow Environmental. His professional practice spans four decades and has emphasized service in areas of soil science, analysis of environmental conditions for plant growth, and site rehabilitation. His projects range from initial site investigations to detailed design of soil-water-horticultural systems, construction specifications, and construction observation. He has served on the Sustainable Sites Initiative (SITES) Technical Core and Soils Committees for many years. His worldwide built-projects range from new embassies in war zones to campus projects to farms on remote islands to mega parks on urban islands and lots in between.

12:00-2:00 PM

EXPOSITION LUNCH

1:00-2:00 PM

PROFESSIONAL MEET & GREET WITH RUTGERS STUDENT CHAPTER OF ASLA

PRE-REGISTRATION REQUIRED. If you would like to participate, please elect to do so when registering for the conference. Please refer to page 3 for more information.



SESSION 15: THE KIDS AREN'T ALRIGHT – PLAYGROUNDS IN THE BUBBLE WRAP GENERATION

Children today spend an average of 7 hours per day on screens. Obesity levels across the country are staggering, ranging from 20-40% in major US cities. And we have high levels of stress, according to almost 40% of children and adults. The common thread in all of these statistics... we need to move more, we need to get out more and we need to give ourselves permission to play. But in order to do that, we have to create places that are enticing enough to get people out, connecting them with others and improving their long-term physical, mental, and social health.

Currently, the state of play and playgrounds in the US is limited to colorful jungle gyms, fences, and rubber flooring. These homogenous, overly-safe environments fail to offer opportunities for risk-taking, decision-making, and social interaction. They are a direct reflection of societal fears of injury in the US, forcing our children to live in the “bubble wrap generation”. Playgrounds in other countries, particularly in Europe and the UK, have begun to move beyond the “bubble wrap” model, encouraging risk-taking behavior by implementing obstacles, structures, and environments that push the boundaries of play. As a result, both children and teens are more active in these spaces, and they attract a significantly larger number of visitors, both young and old.

How can the US follow in the footsteps of these innovative playgrounds? Through rigorous data collection, analysis, and further conversation and collaboration from designers, healthcare professionals, and community leaders. Our research project smarterPLAY, in partnership with Jefferson University, embodies these steps and can help to inform landscape architects, architects, and designers about best practices in the design of play environments. The objective is to directly link behavior and health metrics to design decisions, ensuring smarter play spaces, happier residents and healthier communities.

Speaker: Meghan Talarowski

Meghan is the founder and director of Studio Ludo, a non-profit dedicated to building better play through research, design, and advocacy. She has degrees in architecture and landscape architecture, over a decade of experience in the design field and is a certified playground safety inspector. She has presented at conferences held by The Association for the Study of Play, the US Play Coalition and the American Society of Landscape Architects Online Learning Series. She was a winner in the 2016 international Play Space design competition and the 2016 Kaboom Play Everywhere Challenge. She is a co-author of *Transects*, the 100-year history of the Landscape Architecture Department of the School of Design of the University of Pennsylvania, published in 2013. She has been published in *Context: The Journal of AIA Philadelphia*, and featured in *Landscape Architecture Magazine*, *GRID Magazine*, *PlanPhilly*, *The Atlantic*, and *World Landscape Architecture Magazine*.

SESSION 16: CATCHING WATER & HARVESTING CONCRETE – RESOURCE CAPTURE FROM WASTE STREAMS

Reuse and green infrastructure have developed together as ways to explore how materials flow through the spaces and lifespans of extraction, manufacture, use, and disposal/reuse. Working from examples from professional practice and academic research, design, installation, and teaching, this talk will describe the development of a design theory moving from the sustainable towards adaptive and resilient design. This practice-based theory proposes that the material of our work exists in sets of scaled interconnected systems that embody and reveal flows of energy: characterized as the physical, economic and social. Derived from the concept of embodied energy, the notion of the material holding and emanating forms of energy is used to consider how the object performs, is valued, and means something within the systems to which it belongs. It will be shown that it is only through making these three types of energy flows visible in designed work that we may communicate methods, meanings, and ethics of sustainable design.

This session will demonstrate how to imagine and strategize for the reuse of materials in new design. It will utilize narratives of material cycles in design work to communicate sustainability principles. Attendees will gain an understanding of the connections between physical and social factors in design.

Speaker: Tobiah Horton

Tobiah (Toby) Horton is an Extension Specialist and Assistant Professor of Landscape Architecture with Rutgers Cooperative Extension and Rutgers University. He holds a B.A. in Studio Art and Spanish Literature from Oberlin College and an MLA from SUNY-ESF. Toby's work investigates the reuse of materials (such as concrete and stormwater) and their place in the redevelopment process. Toby is interested in how the energies of history and building become embedded in materials. His current research at Rutgers includes integrating Green Infrastructure with site programming, Deconstruction and Redeployment Methods for Reuse of Building Materials, and Deconstructing the Floodplain. Collectively, the research projects aim to show how reuse of materials lowers construction's carbon footprint by extending lifecycle (and by maximizing CO2 avoidance and absorption through design). Look for his upcoming chapter in *Subverting Consumerism: Reuse in an Accelerated World, The Reuse Voice in Design*.

SESSION 17: LOW IMPACT STORMWATER MANAGEMENT AT RUTGERS

Rutgers University has been at the forefront of low-impact stormwater management design and implementation for the last fifteen years. Through a university-wide commitment to green infrastructure and nonstructural stormwater management measures, the university has constructed various stormwater features to improve water quality and reduce stormwater runoff across its five campuses. This presentation will discuss implementing low-impact stormwater management measures on a college campus and the benefits they provide to students and faculty. In addition, the presentation will include a series of "lessons learned" with each low-impact stormwater measure installed on the campuses.

The university manages new development through its campus design standards and a campus-wide stormwater master plan. Although conventional stormwater management practices could typically be used to meet New Jersey state regulations, Rutgers completes its in-house designs using non-structural stormwater management as much as possible and requires its architectural and engineering consultants to design to the same standard. The use of low-impact stormwater measures applied at Rutgers includes bioretention systems, wetlands, rain gardens, and grass-covered bioswales. This session will give attendees a better understanding of stormwater management requirements and the importance of stormwater planning and design early in the design process. The session will detail the use of non-structural stormwater management and low-impact measures and attendees will learn the benefits of long-term stormwater management planning.

Speakers: Seth Richter & Christian Roche

Seth Richter — After receiving an undergraduate degree in environmental planning and design and a graduate degree in urban/regional planning and design, Seth Richter worked first for the United States Department of Agriculture's Forest Service then with the State of New York's Planning Department. In 2001, Seth relocated to New Jersey and went to work in the Rutgers University Office of Planning and Development initially as the Assistant Facilities Planner and currently as the Senior Facilities Planner. Seth's main responsibility is the environmental stewardship of the university, including stormwater management and assisting in the planning and design of activities that involve changes to the natural and built environment. He is also the liaison with the state and federal environmental agencies that govern Rutgers. Seth is a licensed planner in New Jersey as well as a member of the American Institute of Certified Planners.

Christian Roche — Mr. Roche is a Senior Associate/Vice President at Langan Engineering with 12 years of experience in site/civil, geotechnical, and dam safety engineering. He holds a Master of Science degree in civil engineering from North Carolina State University and dual Bachelor of Science degrees for civil engineering and integrated business and engineering from Lehigh University. Mr. Roche is a licensed Professional Engineer in the states of New Jersey, New York, and Virginia. He is also a LEED Accredited Professional. Mr. Roche has been nationally recognized for his contributions in the industry. In 2014, he was awarded the Young Professional of the Year through the American Council of Engineering Companies (ACEC) as well as the Rising Star in Civil Engineering through CE News. In 2015, he was included in NJBiz Top 40 Under 40 list.



SESSION 18: ENSURING LASTING VISIONS THROUGH BUILDING STRONG RELATIONSHIPS

It can sometimes be difficult for one to see an artist's vision, especially those of landscape architects and designers. Therefore, clear communication, project planning, and timely execution are imperative to the success of a project. Through our 45 years in business, The Todd Group has learned many valuable lessons about implementing an artist's vision from working alongside highly regarded individuals such as Dan Kiley, Michael Van Valkenburg and Deborah Nevins, as well as many other landscape architects. We have adopted many best practices along our journey that we would like to share with you. These best practices are essential in understanding the long-term vision of a design in order to execute and create long-term maintenance plans. Join Michael Todd, Vice President and second-generation owner of The Todd Group Inc, as he shares stories from The Todd Group's history, experiences they've had along the way and a few projects that they have built. During the session, he will discuss the importance of developing and fostering meaningful partnerships with other professionals. Most importantly, attendees will learn how respecting and honoring one another is as important to the success of one's vision as are the materials selected.

Speaker: Michael Todd

Michael Todd is the Vice President and second-generation owner of The Todd Group Inc. Early in his career, while looking out the window from his cubicle in corporate America, he quickly learned his place was in the outdoors. The driving force to this career shift was his understanding of the importance of company culture and how culture ensures success in business and relationships. Michael started from the ground up: working in the field, to production manager, and eventually general manager and owner. Michael has diversified the existing and created new specialized divisions including Estate Management, Maintenance, and Ornamental Care Divisions within The Todd Group and its sister company Peters Todd's Inc. Michael's driving force is knowing that the services provided by his companies impact the lives of their clients by enriching the warmth of their homes.

SESSION 19: COMBATTING DEGRADATION – METAL FINISHES TO EMBELLISH YOUR PROJECTS

Metalwork can be a phenomenal expressive medium in the landscape environment. Landscape architects looking to integrate interesting and visual articles into their projects often start with metal railings, fences, gates, sculpture, and other site furnishings. But equally important to choosing the right design for these enhancements is making sure that metal pieces are treated properly to withstand weather and other environmental elements. This session is a sequel to last year's course on Ironworks.

This session will cover pretreatment and finishes starting at the basic level, as well as share some innovative techniques for metal finishing. Although pretreating and finishing processes typically involve harsh chemicals, this course focuses on environmentally friendly methods of providing corrosion resistance. You'll walk away with the ability to give your superb design the best possible life expectancy without sacrificing stewardship. You'll gain an understanding of utilizing eco-friendly finishes for metal work that are VOC-free and 99.99% reclaimable, be able to identify processes that provide the longest-term durability in your specific environment (e.g. the windy, salty conditions at the shore), and know how to produce a variety of creative, aesthetically pleasing finishes that visitors and passers by will notice and enjoy.

Speaker: Amos Glick

Amos Glick has been personally involved in creating 10 LACES credit courses, and is well versed in professional education. He has personally lead sessions across the country for hundreds of design professionals. He is the owner of Compass Ironworks and member of ABANA, AIA, ASID, ASLA, ICAA, NOMMA, PABA, USGBC.

SESSION 20: EXPERIENCING INFRASTRUCTURE

Although every project is different, the ultimate goal of design is to affect positive change in the world around us. Intuitively we all know that a design is better, more cost-effective, and ultimately more sustainable when each element or system helps the project achieve multiple goals – whether they are related to aesthetics, circulation, ecology, program, or performance. This is particularly true in the design of urban parks where funds are almost always limited and new public space is frequently intrinsically intertwined with major and minor infrastructural and natural systems.

Drawing from recent projects by Michael Van Valkenburgh Associates, Paul Seck will discuss the incorporation of infrastructure as a positive design feature that is experienced in the landscape. He will also talk about resourceful design, structural economy, and the need for collaboration with engineering and environmental disciplines as well as a strong landscape vision.

Paul will describe the way in which this principle guided several elements within Brooklyn Bridge Park, including the construction of a new waterfront edge that offers expanded experiential variety and ecological value along with increased resiliency. Another example that will be discussed is MVVA's recent redesign of the southern section of Brooklyn Botanic Garden. In this project, the entire water system of the garden was redesigned with respect to consumption, collection, and disposal in a way that makes it possible to support new plant collections and visitor features within Brooklyn Botanic Garden.

Speaker: Paul Seck

Paul Seck is widely recognized for his expertise in the relationship between urban design and natural systems, and he has created groundbreaking landscape solutions in the treatment of surface water and stormwater mitigation. As the lead designer for the Brooklyn Botanic Garden Water Recirculation Project, which involved the redesign of the south portion of the garden, he led the development of the "smart water system." This project activates a historic garden stream, saves 20 million gallons of potable water annually, and reduces the amount of stormwater runoff that ends up in water treatment facilities. Since 2003, Paul has served as senior project manager and a designer for Brooklyn Bridge Park, a complex project that creates unique new urban coastal site conditions. He is a Principal of Michael Van Valkenburgh Associates, a Fellow of the American Academy in Rome, a graduate of The Ohio State University, and a registered landscape architect.

4:10-4:40 PM EXPOSITION REFRESHMENT BREAK

4:40-5:40 PM CONCURRENT SESSIONS

SESSION 21: DESIGNING PRFCT – THE FUTURE OF LANDSCAPES MAINTAINED WITHOUT CHEMICALS

The rising demand and meeting it: Organic food is firmly established in the market place; the medical community is struggling to keep up with the public's demand for alternative treatments. The chemical free landscape is next, coming fast: is the landscape profession ready? Landscape professionals should be seriously thinking about designing for, installing, and maintaining projects without synthetic chemical inputs and how they can bring this message to their clients.

This session will review a basic history of chemical use in landscapes and an overview of motivations for and against breaking dependency on them. Common misconceptions about the need for chemicals have become embedded in our society, to the degree that most people think they cannot achieve "perfect" results without them. We will discuss how to bust these myths. This session will focus on the basics of the Perfect Earth Project: Designing PRFCT (toxin-free) Landscapes, which is a natural systems based maintenance approach. This system not only produces better and healthier results, but also engages the client and team in an important environmental action.



Finally, this session will cover design components that can improve performance, are easier to maintain, and more likely to thrive. In addition, we will review design considerations for ensuring success from specifying a toxin-free project to long-term quality maintenance without chemicals. We will cover ways to find, hire, and supervise landscape contractors who can assure successful results without chemicals. Attendees will gain the ability to promote the toxin-free message and increase the demand for it while inspiring others to follow.

Speaker: Edwina von Gal

Principal of her eponymous landscape design firm since 1984, Edwina creates landscapes with a focus on simplicity and sustainability for private and public clients around the world. Her work has been published in many major publications and her book *Fresh Cuts* won the Quill and Trowel award for garden writing in 1998. She has served on boards and committees for a number of horticultural organizations, and is currently on the board of What Is Missing, Maya Lin's multifaceted media artwork about the loss of biodiversity. In 2013, Edwina founded the Perfect Earth Project to promote toxin-free landscapes for the health of people, their pets, and the planet. Most recently, she is the 2017 recipient of Guild Hall's Academy of the Arts Lifetime Achievement Award for the Visual Arts.

SESSION 22: REPRESENTING NEW JERSEY – EXPLORING THE LANDSCAPE OF THE GARDEN STATE

This presentation discusses a design studio held at Rutgers University in the spring of 2017. The studio began with the following questions: If you were asked to describe New Jersey what would you say? And how would you say it? Students enrolled in the class were asked to answer these questions through a series of exercises that incorporated history, theory, literature, and popular culture. Of particular interest, and what distinguishes this work from that produced by prototypical design studios, is its critical examination of perception and social reproduction. The deeper question I wanted the students to tackle at this early, and formative, stage of their careers, revolved around the suppositions that guide the practice of landscape architecture. How, in other words, do the standards of practice shape the way landscape architects see, represent, and act toward the land. And further, do these norms help, or hinder the profession and its praxis? This session, which includes a general introduction by the studio instructor, followed by student comments on the studio and their work, describes the student response to these questions. The session will detail how to read the landscape as a palimpsest of past uses that are never fully erased. Attendees will gain an understanding of landscape architecture as an inclusive process that encompasses a diverse group of people with different and often conflicting needs and interests. This critical investigation of the New Jersey landscape exemplifies the proposition notably demonstrated by Thoreau at Walden Pond that you don't have to travel far to fully experience the world and see it deeply. But perhaps most important, the work highlighted the issues of interest to the next generation of designers, and how they hope to shape our perceptions of, and actions toward the land.

Speaker: Kathleen John-Alder

Kathleen L. John-Alder is the Graduate Program Director and an Associate Professor at Rutgers University as well as a registered landscape architect with over twenty years of professional experience. She holds undergraduate degrees from Oberlin College and Rutgers University, an M.S. in Botany from Pennsylvania State University, and an M.E.D. in history and theory from Yale University School of Architecture. As an Associate Partner for Olin Partnership, Kathleen has helped create innovative and creative landscape designs across the United States and China. Kathleen's research involves the transformative role of ecology and environmentalism in the discourse of mid-twentieth century landscape design. To date this work has concentrated on the process-theories of the landscape architects Ian McHarg and Lawrence Halprin. This research has evolved into several published works as well as award winning student design studios.

6:00-7:00 PM

PROFESSIONAL DESIGN AWARDS PRESENTATION

Please join us in honoring our colleagues. Celebratory refreshments will be served.

7:00-8:30 PM

DESIGN AWARDS & EXPOSITION COCKTAIL RECEPTION

TUESDAY . FEBRUARY . 13 . 2018

7:30 AM **REGISTRATION OPENS**
REGISTRATION DESK OPEN 7:30 AM - 3:30 PM

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

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

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

SESSION 23: INTEGRATION OF NATURE & TECHNOLOGY FOR SMART CITIES

Cities everywhere are seeking ways to transform their increasingly congested landscapes into safer, smarter, and healthier environments that better serve their residents. Sixty percent of the world population will be living in cities by 2050, which translates into 2 percent of available land being occupied by people consuming nearly three-quarters of global resources. This massive wave of urbanization is expected to take a heavy environmental toll; research shows that cities consume 75 percent of the world's energy and are responsible for 80 percent of greenhouse gas emissions. This session will explore how smart landscapes can help maintain carbon and oxygen balance. The term landscape here refers to interconnected natural systems (geologic, hydrologic, botanical and zoological); the many interventions and manipulations of land by humans — from indigenous people to contemporary landscape architects, planners, and engineers; and the resulting street grid and consequent structures.

The widespread availability of low-cost sensors and advanced networking technologies is fueling the Internet of Things (IoT) phenomenon and helping shape the smart, connected city parks and environments. We will explore how street lights and landscape lights become talking lampposts and transform streets to intelligistreets and parks into Intelligent clouds with green space that communicate real time with visitors and improve life in urban environments. We will also explore how with the right network of infrastructure in place, cities can direct traffic flow more efficiently and come up with clever ways to provide basic services such as streetlights, smart scape lights, water, and waste management. This presentation will shed light on using digital technologies to make our urban areas cleaner, greener and more resilient.

Speaker: Anil Ahuja

Mr. Ahuja is President of CCJM, a multi-disciplinary engineering firm providing Smart City and Smart Building designs, major water and wastewater system engineering, and bridge and highway design and rehabilitation. In 2014, he launched the CCJM Smart Cities & Energy Unit emphasizing the company's outstanding expertise in Smart Buildings and integrating the entire urban environment in a holistic approach to engage more in the creation of smart and sustainable buildings, neighborhoods, and entire cities.

In 1997 Anil authored Building Systems Engineering – Integrated M/E Design, a Sustainable Green Technology volume. His new book, *Integration of Nature & Technology for Smart Cities*, extends the topic of the previous publication from the building to the entire city, discussing new trends and paradigms in the smart buildings and city sectors. Anil has over 30 years experience in Building Systems Design, Design Management, Construction Management, Commissioning, and Operations & Maintenance.



SESSION 24: WORKING IN 4 DIMENSIONS – TIME AND SUCCESSIONAL PROCESS IN DESIGNED LANDSCAPES

In nature, landscapes are continually evolving. Yet in designed landscapes we often expect plantings to remain the same from year to year. More exciting results can be achieved when we consider time, landscape gardening's fourth dimension. This presentation will explore how managed successional change can play key aesthetic and functional roles at all scales, whether in the intimate garden or in a large natural area. Case studies of projects shown from inception to maturity will demonstrate practical approaches to working creatively with natural processes of succession in a variety of designed habitat types, including meadows, shrublands, and woodlands. They will gain an understanding of how to adapt management strategies in response to evolving conditions.

Speaker: Larry Weaner

Larry Weaner is nationally recognized for combining expertise in horticulture, landscape design, and ecological restoration. He founded the firm Larry Weaner Landscape Associates in 1982. His work at public facilities and private residences through the eastern U.S. has received numerous recognitions and been featured in *The New York Times*, *The Wall Street Journal*, *Garden Design*, *Landscape Architecture Magazine*, and *American Gardener*, among other publications. Larry is an active guest lecturer and instructor for horticultural and environmental organizations throughout the U.S., and in 1990 he developed *New Directions in the American Landscape* (NDAL), an educational programming series with a national following. His book *Garden Revolution: How Our Landscapes Can Be a Source of Environmental Change* (Timber Press, 2016) recently received an American Horticultural Society Book Award.

SESSION 25: THE COMPLEXITY OF SIMPLICITY - THE MET PLAZA

Along the length of the Fifth Avenue landmark façade, OLIN's design for The Metropolitan Museum of Art's four-block-long plaza enhances one of New York City's most significant public gathering spaces. OLIN led the design to prioritize the pedestrian experience and create a welcoming urban destination. The design of the landscape strongly ties to adjacent architectural foundations of the building facade through seemingly "simple" alignments, symmetry, clear circulation, and material expression.

The session will examine the design process and implementation of this plaza landscape within the context of a developed urban environment and historic landscape. It will describe the strategies used for navigating established and vital relationships to infrastructure, existing architecture, and stakeholders, while maintaining a clear design, anchored to the historic architecture of a landmark Beaux-Arts façade. It will describe and show how early visioning and collaboration, interdisciplinary coordination, and adaptable construction detailing enabled this plaza landscape to successfully root itself into a deceptively complex site.

Speaker: Allison Harvey

Allison Harvey is a Senior Landscape Architect at OLIN. She has ten years of professional experience within the disciplines of landscape architecture and architecture. Allison has served as project manager for multiple built projects that span a wide diversity of typologies and locations, including the revitalization of the Fifth Avenue Plaza at the Metropolitan Museum of Art in New York City, Carnegie Hall Roof Terrace in New York City, The Rotunda Landscape at the University of Virginia, and The Rodin Museum Gardens in Philadelphia, PA. At OLIN, Mrs. Harvey leads quality control reviews and OLIN's BUILD Lab, which researches new landscape construction techniques and materials, a compliment to her studies in material science before pursuing Landscape Architecture.

SESSION 26: INLAND FROM THE COAST – BUILDING GREATER WELL-BEING AND RESILIENCE IN COMMUNITIES

While climate change is a global phenomenon, the impacts are experienced most acutely in place – to people’s homes, communities, financial resources, culture, physical and emotional well-being. In August 2016, a low-pressure system dropped 22-31” of rain in two days across Louisiana’s capitol region. Resultant flooding took 13 lives and caused damage to approximately 156,000 structures. Touted as a “one-in-1,000-year flood” this was the third such event in 2016 to hit the southeastern US, and one of nine since 2010 (NOAA NWS, 2016).

Louisiana has lost nearly 1,900 square miles of coastal wetlands, and is currently experiencing a land loss rate of over 16 square miles annually. The increasing convergence of inland and coastal communities (through coastal erosion, sea level rise, rural to urban migration and other factors) is a phenomenon Louisiana is experiencing on an unparalleled scale. Tragically, following the storms of the last decade, many residents moved away from the sea to reduce their risk—only to be flooded repeatedly from rain events over inland watersheds.

This talk will present early results of a project funded through the Gulf Research Program of the National Academies of Sciences, Engineering, and Medicine and the Robert Wood Johnson Foundation. The project takes a multi-scalar, multi-disciplinary approach to river flood modeling, health and well-being research, and applied community design to improve flood recovery and long-term resilience across the greater Baton Rouge inland-coastal region. These efforts are linked to implement adaptive design opportunities in flood-damaged communities, connecting university researchers with professional landscape architects, architects, planners, policy-makers, and community members to develop design and planning best practices for reducing risk and increasing regional adaptive capacity. Design practices will be implemented locally as the Baton Rouge region recovers from devastating floods, but also provide a development, policy, and design framework applicable to coupled inland-coastal regions across the US and beyond.

Speaker: Jeff Carney

Jeffrey Carney is Director of the LSU Coastal Sustainability Studio and Associate Professor in the LSU School of Architecture. He received his BA from Washington University in St. Louis and master’s degrees in architecture and city and regional planning from UC, Berkeley. Jeff’s work in Louisiana centers on leading trans-disciplinary coastal and delta design and research efforts. Jeff led a multi-year HUD-sponsored project called the Louisiana Resiliency Assistance Program (LRAP); administers workshops for the Louisiana Community Resilience Institute (LCRI) and associated workshops; and was a team leader for “The Giving Delta,” an award-winning submission for the international Changing Course design competition which reimagined ways of living and working on Louisiana’s dynamic delta coast. Jeff is currently leading a team of LSU researchers in the project, Inland from the Coast: A Multi-Scalar Approach to Regional Climate Change Responses, funded through the National Academies of Sciences and the Robert Wood Johnson Foundation.

11:00-1:00 PM EXPOSITION LUNCH

1:00-2:00 PM CONCURRENT SESSIONS

SESSION 27: RESILIENCE IN PLANNING – USING A RACIAL EQUITY & SOCIAL JUSTICE LENS

People are impacted by planning and design processes and outcomes differently based on the level of practical consciousness of those involved. Design and planning professionals can have a significant impact on many aspects of how a community functions and how community members experience place from patterns of land use to access to public space to the design of individual sites. This session will provide participants with an understanding of the relationship between resilience and racial equity and planning and design. The goal is to understand how our individual development and understanding impact process, design, and policy for our communities. Participants will be provided with the social, historical, and mental functioning context to take proactive action to advance racial equity and social justice in their spheres of influence.



This session will reframe the definition of racism and other social justice concepts for more productive conversations and decision-making in design and planning. It will describe the social, historical, and mental functioning context that perpetuates inequities in the built environment and the role of social responsibility in design and planning. Attendees will learn to identify opportunities in the planning and design process to manage our blind spots and bring our best selves to important moments and decisions.

Speaker: Dr. S. Atyia Martin

Dr. Martin is a Certified Emergency Manager with over 15 years of experiences in public health, emergency management, intelligence, and homeland security. Mayor Martin J. Walsh appointed her as Boston's Chief Resilience Officer as part of the 100 Resilient Cities (100RC) initiative pioneered by the Rockefeller Foundation. Under her leadership, Boston released the first resilience strategy in the 100RC Network that embeds racial equity and social justice into resilience. She has received awards from the community, city, private sector, U.S. Air Force, and National Security Agency. Dr. Martin has spoken at dozens of events and is known for her engaging presentations/workshops.

SESSION 28: POP-UP, PILOT, PERMANENT – METHODS FOR URBAN TRANSFORMATION

Over almost thirty years of interdisciplinary practice, Susannah Drake developed a unique methodology to instigate change in the urban environment. A methodology evolved from experience that considers how pop-up and pilot projects can help engage communities in more permanent transformation of streets and other public spaces. Working with not-for-profit community and design organizations DLANDstudio develops initial projects often funded by grants that we help our clients prepare. Pop-up projects do not generally require significant public agency approvals and permitting. Brooklyn Bridge Pop-up park, Paths to Pier 42, Pop-up Pier 5 Wetland, Morristown Parklets, and Under the Elevated are all examples.

Pilot projects develop the ideas of the pop-up based on knowledge of what worked and what did not. This stage involves engagement with public agency on projects that can test potential for broader more permanent and wide spread implementation. Gowanus Sponge Park and Holds systems are examples. The permanent phase looks to the future in suggesting the overall impact of wider spread implementation of the pilot projects. Review work on RPA 4th regional plan, NYC Sponge City, New Orleans, St. Louis, and Miami.

Attendees will learn to work with local community groups to transform infrastructure into open space. They will gain an understanding of the role of public agencies, their agendas, and how to re-evaluate outdated entrenched standards. The session will encourage attendees to consider a systems based approach to landscape architecture.

Speaker: Susannah Drake

Susannah C. Drake is a principal and founder of DLANDstudio, a leading multi-disciplinary design firm. With qualifications in both architecture and landscape architecture, Susannah specializes in complex projects that require a synthesized, analytical, and research-based approach. Her large-scale planning work engages diverse systems to create ecologically and socially progressive projects that are equally well-crafted and beautiful. Susannah's research has been at the forefront of innovation on urban ecological infrastructure. Her research on campus landscape design and large-scale urban infrastructure has received funding through grants from the Graham Foundation, the Environmental Protection Agency, the New England Interstate Water Pollution Control Commission, the New York State Department of Environmental Conservation, and the New York State Council on the Arts. Her work is in the permanent collections of the Museum of Modern Art and the Cooper Hewitt National Design Museum and has received numerous national and international awards.

SESSION 29: THE HOWS & WHEREFORES OF PLANTING SOIL SPECIFICATIONS

This session will look at how to concisely present planting soil specifications starting with a basic outline. It will answer questions as to where to place critical information, specifications or drawings, and the pros and cons of each. The session will also review basic testing requirements from ASTM and the differences in laboratory procedures from lab to lab. It will review when to test, what to test, and how to sample for ensuring that the planting soil conforms to healthy plant growth. Finally, this session will review examples of soil test results and the trials and pitfalls of dealing with data from a highly variable, dynamic material like soil.

Attendees will learn how to: present a healthy planting soil within a concise specification, resolve planting soil testing and what tests are needed for various applications, and properly review test data results from different laboratories.

Speaker: Timothy A. Craul

Timothy A. Craul, a Certified Professional Soil Scientist, has over 40 years of soil science experience mapping, classifying, providing interpretations, and describing soils for the National Cooperative Soil Survey program within ten states and 14 physiographic provinces within the Northeast and Midwest. Mr. Craul has completed major landscape projects that include the Princeton University's Master Plan, Whitman College at Princeton, Teardrop South at Battery Park City, Union Square in New York City, 1600 Pennsylvania Avenue, Euclid Avenue in Cleveland, Ohio, and the new Penn Park athletic fields for University of Pennsylvania. Current projects underway within New York City are Phase I of Hudson Park & Boulevard, Cornell's Technology center on Roosevelt Island, Phase III of the High Line, and the Brooklyn Botanic Garden.

2:10-2:20 PM

CLOSING REMARKS:

NJASLA PRESIDENT ELECT JEFFREY CHARLESWORTH

2:20-3:20 PM

CLOSING KEYNOTE

SESSION 30: LESSONS FROM THE NATIONAL PARK SERVICE URBAN AGENDA

Using experiences by the National Park Service's Urban Liaisons, a two-year insurgent experiment to activate National Park Service programming in cities across the United States, we will describe some of the pitfalls and successes of attempting to boldly go where few park rangers have gone before. In 2015, the National Park Service launched its Urban Agenda, an initiative similar to that of many federal agencies acknowledging changing demographics in the country, and the pending shift to urbanized populations by 2050. We will discuss what lessons were learned through initiatives brought to 10 cities through the Centennial of the National Park Service, and describe ways in which future park and cultural resource planners can better think through problems of civic engagement.

Attendees will learn how to: locate NPS resources in work areas and mobilize meaningful community relationships with federal partners. The session will explore how to think critically about the mission of the NPS and civic stewardship as it applies to underrepresented populations in America's cities.

Speakers: David Goldstein & Missy Morrison

David Goldstein — Mr. Goldstein has been working as a Landscape and Environmental Archaeologist for 20 years. David also has years of research and community development experience practiced in communities throughout the Americas, including Detroit, Michigan, and St. Croix, United States Virgin Islands. For the past three years, he has been working in Urban Community Engagement with the National Park Service as part of a pilot experimental program to locate relationships between communities and National Park Service resources.

Missy Morrison — Ms. Morrison has a multi-disciplinary background in urban planning and anthropology, and her work in these fields has spanned many areas within the US and abroad in both the private and public sectors. Missy's college education began at Temple University, with a BA in Anthropology, and continued at Rutgers University where she completed a Masters in City and Regional Planning. Throughout her career as a planner, Missy has participated in and led efforts in communities related to social justice, economic revitalization, food systems planning, farmland preservation, and sustainable zoning and design policy.

3:20 PM

2018 ANNUAL MEETING ADJOURNED



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Late and On-Site Registrants will be assessed penalty fees as outlined in the program, no exceptions.

Payments may be deductible under IRS Code, but are not deductible as a charitable contribution unless you've made a specific contribution to the NJ ASLA Educational Foundation, which will be acknowledged in writing from the Foundation.

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FROM THE GROUND UP