

WI ASLA 2016
ANNUAL SPRING
CONFERENCE

FORM & FUNCTION

*A Conference for Landscape Architects,
Designers and Allied Professions*



FEBRUARY 24-25, 2016

**UNION SOUTH
1308 W. Dayton St.
Madison, WI 53715**



Wednesday, February 24th

7:00 am - 8:00 am	Registration Breakfast Vendor Expo Silent Auction Begins Varsity Hall II	
8:00 am - 8:25 am	Opening Remarks Cody Axness, PLA, ASLA, LEED AP & Erik Knepp, City of Madison Parks Director	
8:25 am - 9:25 am	General Session A Varsity Hall III Contextual Minimalism Shane Coen, PLA, FASLA Founder + CEO Coen + Partners	1 PDH 1 HSW
9:25 am - 9:35 am	Break Vendor Expo Varsity Hall II	
9:35 am - 10:35 am	Session 1A Varsity Hall I Site Planning & Collaborative Design Success Factors / Sauk Prairie Community Hospital Tom Mortensen, PLA, ASLA & Paul McIlheran, PE, CPSWQ RA Smith National	1 PDH
	Session 1B Northwoods Delivering Design Intent - The Landscape Architects Role in Complex Residential Projects Jared A. Vincent, PLA, ASLA & Steven G. Ziegler, PLA, ASLA ZDA, Inc.	1 PDH 1 HSW
10:35 am - 11:05 am	Vendor Expo Varsity Hall II	
11:05 am - 12:05 pm	Session 2A Varsity Hall I Beyond the ADA: Overcoming Common Design Challenges & Incorporating Universal Design Principles Top Tantivivat UW-Madison Office of Campus Planning & Landscape Architecture	1 PDH 1 HSW
	Session 2B Northwoods Drones for Landscape Architects Ben Yahr, PLA Friends of Lake Wingra, Marek Landscaping, LLC	1 PDH 1 HSW
12:05 pm - 2:05 pm	Grab and Go Lunch & Vendor Expo Brown Bag Topic Tables Varsity Hall II	
2:05 pm - 3:05 pm	Session 3A Varsity Hall I John Muir's Marquette County Neighborhood Kathleen McGwin Wisconsin Friends of John Muir & Montello Historic Preservation Society	1 PDH
	Session 3B Northwoods Floating Islands: Surrogate Fish Habitat in the Milwaukee River Estuary Mike Marek Vice President Marek Landscaping, LLC	1 PDH
3:05 pm - 3:15 pm	Break Vendor Expo Varsity Hall II	
3:15 pm - 4:15 pm	Session 4A Varsity Hall I Natural Stone - An Appreciation of its Beauty and its Role in Our Landscape Chris Miracle, PLA, ASLA LandWorks, Inc.	1 PDH 1 HSW
	Session 4B Northwoods Pervious, Permeable and Porous Surfaces: Are They Really the Same? Mark Walker Director Kuert Concrete	1 PDH 1 HSW
4:15 pm - 4:25 pm	Break Vendor Expo Varsity Hall II	
4:25 pm - 5:25 pm	Session 5A Varsity Hall I Wisconsin's Response to Pollinator Health Mike Murray, Pesticide Program Manager & Christa Wollenzien, PLA, ASLA WI-DATCP & WI-DOT	1 PDH 1 HSW
	Session 5B Northwoods Tenney Park Shoreline & Historic Landscape Restoration Sarah Lerner, PLA & Sally Swenson City of Madison & Clayton M. Frazer Eco-Resource Consulting, Inc.	1 PDH
5:25 pm - 8:30 pm	Vendor Expo Social Professional Awards Reception Varsity Hall III	
8:30 pm - 10:30 pm	Bowling at Union South The Sett	

COURSES DESCRIPTIONS

Wednesday, February 24th

8:25 am - 9:25 am

Contextual Minimalism (Varsity Hall III)

This program highlights the work of Minneapolis-based landscape architecture firm Coen + Partners as a case study to evaluate collaborative and contextual design methodology and the role of the landscape architect. CEO and founder, Shane Coen, explains the design dynamics between landscape and architecture and how form geometry, materiality, and context establish a shared vision. A transect of past and recent project examples illuminate the evolution of the role of the landscape architect as lead designer and the bridge between allied professions including architecture, civil engineering and planning.

9:35 am - 10:35 am

Site Planning and Collaborative Design Success Factors / Sauk Prairie Memorial Hospital (Varsity Hall I)

Sauk Prairie Memorial Hospital recently completed a healing destination and a state-of-the-art campus that promotes well-being, attracts the best talent and reflects the unique character of the community. Through collaboration and evidence-based design principles, the planning and design of the campus embraced the core principles of the SPMHC vision. The multi-jurisdictional, 120-acre site had many challenges and constraints that were overcome through a creative and thoughtful site planning process. This course will emphasize the importance of the relationship between the landscape architect, site engineer, facilities manager, architect and the owner, and how early communication and collaboration can successfully create a functional and aesthetically dynamic campus. The presenters will share their experiences and challenges during the early stages of design through construction, and how they worked through the building placement, site circulation, and the functional and experiential aspects of the site, while integrating the hospital into the existing terrain to minimize site disturbance and avoid excessive grading costs. Attendees will learn how they worked closely with the owner and design team, along with an administrative/stakeholder committee, the aesthetic committee and the facilities management staff to help them with building a vision for the campus landscape that achieved their goals and stayed within the realistic operational capabilities. Contemporary and innovative rainfall integration and infiltration techniques were implemented to manage stormwater through the design of natural systems. Post construction management and "lessons learned" will also be discussed in this informative presentation.

Delivering Design Intent- The Landscape Architects Role in Complex Residential Projects (Northwoods)

Landscape Architects serve a vital role in creating private and public landscapes. This session will discuss three residential projects in which the Landscape Architects formed and lead collaborative design teams to solve complex problems, integrate clients goals and objectives, and coordinate the projects through construction to see through the design intent. These projects of varying size, scale, and complexity will explore the landscape architects influence on ensuring not only the aesthetics of each project, but tailoring every detail from day one to ensure respect for the site, the environment, and client. Projects range from a large lake shore home on an environmentally and culturally significant site to a compact urban backyard with a big wish list.

11:05 am - 12:05 pm

**Beyond the ADA: Overcoming design challenges and incorporating Universal Design
(Varsity Hall I)**

The Americans with Disabilities Act is often treated as a hindrance to design or code requirements to simply check off a list. This session will explore how landscape architects can successfully overcome ADA design challenges and incorporate Universal Design to create well-built environments enjoyed by individuals of all levels of physical, psychological, and sensory capabilities.

Drones for Landscape Architects (Northwoods)

"Drones" have been featured in the media over the last few years in sensational stories that highlight the irresponsibility of inexperienced users, demonize the potential violations in privacy, and portray a range of possible usages from pizza delivery to aerial war. But did you know that drones can also measure invasive species, chart streamflow, and replicate topographic surveys? This presentation will explain some of the opportunities that small unmanned aerial vehicles (aka UAVs or drones) offer to landscape architects including mapping, marketing, and construction observation. The presentation will explain the basis of an unmanned aerial system, the types of data that can be gathered, how this data can be used, and an update on the current regulations governing use of UAVs. Specific discussion items include vehicle types, flight planning, cameras, post processing, topographic data, high resolution orthophotos, and integration with CAD and GIS systems. Learn about these new and exciting tools!

2:05 pm - 3:05 pm

John Muir's Marquette County Neighborhood (Varsity Hall I)

A young John Muir grew up in Marquette County, Wisconsin and was a part of the settlement milieu of the new state of Wisconsin. He was greatly influenced by the nature and landscapes he loved as well as the people and culture of his rural settler community. As an adult he three times tried to buy the little kettle lake where he learned to swim so that it could be preserved. That land is now John Muir County Park. This presentation takes you on a virtual tour of John Muir's neighborhood and the park and offers ideas of how the John Muir neighborhood story can inspire us today.

Floating Islands: Surrogate Fish Habitat in the Milwaukee River Estuary (Northwoods)

An estimated 80% of native Great Lakes fish rely on wetlands for part of their lifecycle. Due to industrialization, large areas of the Milwaukee River Estuary have been hard-armored and no longer have wetlands and a healthy aquatic/riparian habitat necessary to fish and other aquatic organisms. A partnership between Marek Landscaping, LLC, Groundwork Milwaukee, Southeastern Wisconsin Regional Planning Commission, Milwaukee Metropolitan Sewerage District, Wisconsin Department of Natural Resources, and University of Wisconsin – Extension was formed to bio-mimic wetlands in the estuary using Biohaven® floating islands. The technology uses a blend of synthetic and natural floating media from which plants grow and form the basic building block for the bottom of the food chain, the parphytic organisms and biofilms. These organisms quickly colonize and create food sources on which the smallest fish and zooplankton feed. By providing refuge and food, the project team is reducing barriers between upstream spawning/nursery habitat and Lake Michigan. The presentation will discuss how the estuary is an important link to reviving the Lake Michigan fishery, outreach and education, and the initial results and observations of installations made in 2013 and 2014.

3:15 pm - 4:15 pm

Natural Stone - An Appreciation of its Beauty and its Role in Our Landscape (Varsity Hall I)

Many types of natural stone products will be highlighted, with a heavy emphasis on those that are unique to Wisconsin. Projects showing several uses of these natural stone types will be shown, and as appropriate some best practices for construction with natural stone will be discussed.

Pervious, Permeable, and Porous Surfaces: Are They Really the Same? (Northwoods)

Today, Low Impact Development (LID) regulations are pushing for advanced water management technology that will preserve environmental quality and mimic the pre-development watershed hydrology of the site. Additionally, since water management is the primary goal, members of the design community are searching for ways to produce cost-effective Green Stormwater Infrastructure (GSI), including their maintenance costs while maximizing developable land. Permeable, Pervious, and Porous surfaces, (the 3-P's) are "words that have been used interchangeably", without regard to their unique characteristics and for that reason, have somewhat confused the industry. This presentation answers the questions pertaining to different surface / paver applications and their relationship to storm water management. Key topics will include: Identifying the goal when considering storm water runoff; Proper sub-base, base, and bedding materials when considering hydraulic conductivity; Why an engineered pipe-out overflow system is necessary; Defining the different characteristics of Pervious, Permeable, and Porous Surfaces; How these different pavers relate to green stormwater infrastructure; Maintenance procedures when defining a BMP. This topic is currently one of the most talked about within America today due to recent state, EPA, and legislative mandates.

4:25 pm - 5:25 pm

Wisconsin's Response to Pollinator Health (Varsity Hall I)

Wisconsin's response to pollinator health presentation will provide an overview of the why the "buzz" about pollinators. This will include some basic information about what pollinators provide to us and what the treats are to pollinators today. Discussion of President Obama's "national strategy to promote the Health of honey bees and other pollinators" and what this means for Wisconsin. Michael Murry from WI DATCP will talk about the Wisconsin Pollinator Protection Plan. Christa Wollenzien will discuss what landscape architects can do to support the health of pollinators and what WisDOT is doing to address Pollinators.

Tenney Park Shoreline & Historic Landscape Restoration (Northwoods)

This course will discuss the City of Madison's recent efforts to restore the 8,000 linear feet of shoreline at historic Tenney Park. This course will discuss the complexity of large scale restoration in a highly utilized, urban park listed on the National Register of Historic Places. The course will discuss the process, agencies, outreach, approvals, challenges and ongoing concerns in upgrading this historic O.C. Simonds landscape.

8:25 am - 9:25 am

Landscape Design as "Ecological Art" (Varsity Hall III)

Basic premise: That our designs should be (1) ecologically sound; (2) experientially rich; (3) "of the place;" and (4) dynamic (change over time). We will look at naturally-evolving landscapes to learn principles of: (1) species composition; (2) plant distribution patterns; and (3) plant community dynamics. We will look at application of principles in: (1) UW Arboretum; (2) New York University Native Woodland Garden; (3) Old Stone Mill at the New York Botanical Garden; and (4) Brooklyn Botanic Garden Native Flora Garden.

9:35 am - 10:35 am

Recycling Locally Harvested Trees Back into the Landscape (Varsity Hall I)

Tree removal for any reason from public spaces is often a controversial and heated subject. Utilizing these harvested trees for local construction materials is a green building approach and often helps soften public concerns. The course will highlight planning considerations and examples of how locally harvested trees have been reused for shelters, sign posts, roof shingles, kiosks, playgrounds, and interior building materials.

Crime Prevention Through Environmental Design (Northwoods)

Crime prevention through environmental design (CPTED) has been a basic tool for the architects, landscape architects, planners, and engineers in Madison City Government. Recently, CPTED has become an important tool for managing behavior in public spaces throughout the City of Madison, and particularly urban open spaces, parks, and the City's network of multi-purpose trails. Design teams now include members of police agencies, fire departments, and other non-design professionals to help solve behavioral problems through the physical design process. This panel discussion will outline the basic premises of CPTED, and it will focus on some public sector sites in Madison that have experienced significant problems recently (Philosopher's Grove, 30 on the Square, and the Capital City Trail). The presentation will focus on specific design elements that are being used to prevent or reduce crime in these public spaces (lighting, visibility, surveillance equipment, programmed activities, and regulations). The presentation will also include a discussion from the Madison Parks Division as to how new park and recreation facilities are being designed and existing parks are being upgraded to increase safety, security, and reduce potentially dangerous spaces through CEPTED.

11:05 am - 12:05 pm

Habitat Design for Enhanced Biodiversity (Varsity Hall I)

This course discusses the role of the landscape architect in helping to restore native communities and enhance biodiversity during site design. Various applications of habitat creation on a variety of project types and locations are discussed, ranging from park and open space projects to more urbanized infill sites. Specific examples of specialized design features that attract and sustain target species are described in detail, including fish spawning beds, stream channel design for macroinvertebrates, bird-friendly planting plans, and contiguous habitat zones for wildlife protection and movement.

The Power of Public Gardens (Northwoods)

Public gardens have incredible power and potential to transform their communities for the better, and this is accomplished through connecting people to plants. Public gardens have many dimensions and take many forms. As living museums, public gardens are cultural desti-

nations and community centers that value education, outreach, and interpretation of the natural world. As such, they have a positive impact on the social, environmental, and economic well-being of their communities.

12:35 pm - 1:35 pm

Introduction to the SITES Rating System (Varsity Hall III)

This course will provide an overview of the Sustainable Sites Initiative (SITES), the most comprehensive program for developing sustainable landscapes. The SITES program, owned and administered by GBCI, offers a systematic comprehensive rating system designed to define sustainable sites, measure their performance, and ultimately evaluate the value of landscapes. The SITES rating system can apply to development projects located on sites with or without buildings — ranging from national parks to corporate campuses, streetscapes and homes, and much more.

1:45 pm - 2:45 pm

The State of the Science of Using Urban Trees for Stormwater Management (Varsity Hall I)

Stormwater professionals have been studying stormwater control measures for decades, and foresters have been studying and growing urban trees for centuries. But the practice of combining the two to use trees as a Stormwater Control Measure is in its infancy. Peter is a forerunner in the use of trees for stormwater management and will present his ground-breaking work in policy development, research quantifying tree stormwater benefits, and techniques for maximizing tree stormwater benefits. New policy developments Peter will present include the new chapter he developed on using urban trees for stormwater in Minnesota's stormwater manual, as well as the calculator he spearheaded to quantify tree stormwater benefits, including soil storage, interception, evapotranspiration, and water quality benefits. To his knowledge, Minnesota is one of the first states, if not the first, to add a chapter on trees into its stormwater manual, as well as add the stormwater benefits of tree/soil systems (including evapotranspiration, interception, soil storage, and water quality) to its stormwater crediting calculator. Peter will also present the new urban tree canopy stormwater credit he worked on for the Chesapeake Bay Program. New research developments will include recent results showing water quality benefits for urban tree/soil systems equal to and surpassing that of many traditional bioretention systems. As research is rapidly discovering ways to enhance performance of bioretention and urban tree/soil systems, this presentation will also highlight some of the most promising new developments, such as the use of various soil amendments to enhance water quality performance, as well as design strategies to maximize stormwater volume and water quality benefits. An overview of case studies will show examples of how to integrate urban tree/soil stormwater control measures into landscapes of a range of different scales, and also show some of the other benefits trees provide in addition to stormwater benefits.

The Importance of Public Input in the Design Process (Northwoods)

This course will discuss the importance of engaging the community and stakeholders early in the design process to create positive consensus and ensure that solutions resonate with the community. It will identify key considerations, pitfalls and strategies to direct a public process. Using specific project examples this lecture will illustrate how listening to the community helped influence the design of their public spaces by identifying opportunities, changing opinions, securing funding, and maintaining design intent. In many cases the projects became bigger, better, and more effective because the landscape architect was able to facilitate engaging discussion, build consensus among key members of the community and develop advocates. The results help develop and maintain momentum for incremental change with the community's best interests at heart.

2:55 pm - 3:55 pm

Plant Species & Community Responses to Climate Change: Lessons from the Last Deglaciation (Varsity Hall III)

How will species and communities respond to 21st-century climate change? Professor Williams will describe the insights gained from paleoecological and paleoclimatic records from the last deglaciation.

Invasive Species: The Jumping Worm - How It Can Affect Your Next Landscape Project (Northwoods)

In the fall of 2013 Jumping worms (*Amyntas spp.*) were discovered in Dane County. Prior to this finding it was thought that they would not survive our winter weather. We were wrong. In the two years since our initial finding we have learned a great deal about their life cycle and biology as well as how they are spreading in the state. It's hard to think that an unassuming worm is actually a threat but this particular one is. If you're moving mulch, soil, plants, leaves, equipment you need to know what to look for and where. This is no ordinary worm; they're beautiful, prolific, and hard to kill! While the relationship above and below ground is poorly understood when you start looking at the soil and what's crawling around you'll see the world in a whole new way, you might even jump!

4:05 pm - 5:05 pm

Ethics...Walk this Way, Talk this Way (Varsity Hall III)

A discussion of general legal ethical principles and an examination of the moral and ethical standards among public officials and employees that are essential to the conduct of free government. Ethical principles will also be applied to real-life moral dilemmas faced by public officials and employees in the course of their employment and how these principles continue to apply post-employment. While this presentation is focused on public officials and employees, the same principles and standards can be applied in the private sector.

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Thank you for attending!

Mark your calendars for the **WI ASLA Spring Conference 2017.**

March 2-3, 2017

Milwaukee Marriott Downtown

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