Stepping Stones Museum, Norwalk

The Connecticut Chapter of the American Society of Landscape Architects presents

Moving Forward: Green Infrastructure Permitting, Policies, and Design

A full-day continuing education program and expo for landscape architects, engineers, planners, developers, state and town officials…and anyone who thinks about stormwater management.

Date: Thursday, October 16, 2014
Location: The Mark Twain House Museum (LEED-certified!)
Address: 351 Farmington Avenue, Hartford CT

Continuing Education: Registered with **LACES** for 5.5 PDH/HSW; with **AIA-CES** for 5.5 LU/HSW; and with AICP for 5.5 CM

Cost: $125 ASLA / AIA / APA Members
$150 Non-members / $35 Full-time Students (with ID)
(Includes continental breakfast and lunch)

REGISTER ONLINE at http://bit.ly/GreenOct16 OR complete the form below and mail back with payment by October 13.
Questions? Interested in exhibiting or sponsoring? Contact Jeff Mills at executivedirector@ctasla.org or (860) 454-8922.

Learn about:

- How EPA Promotes Green Infrastructure
- Environmental Planning in CT State Capital Projects
- Green Infrastructure in Policy and Practice
- GI Resources from CLEAR
- Stormwater Permitting in Connecticut

Case Studies:

- Stepping Stones Museum for Children (Norwalk)
- UMass Life Science Laboratory Building (Amherst, MA)
- United Illuminating Company Headquarters (Orange)

See the following pages for course descriptions and bios of our speakers.

THANK YOU TO OUR SPONSORS!

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REGISTRATION FORM

To register online with your credit card, go to http://bit.ly/GreenOct16. Or complete this form and return with your check (payable to "CTASLA") and mail to:

CTASLA
c/o J.M. Communications
35-31 Talcottville Road, Ste. 318
Vernon, CT 06066

Deadline: October 13 (no refunds after October 10).

Name: _____

ASLA / AIA Member Number (not license number), if applicable: _____

Company: _____

Mailing Address: _____

City/State/Zip: _____

Email Address: _____

___ ASLA Member(s) attending @ $125 each = $ _____ total
___ Non-Member(s) attending @ $150 each = $ _____ total
___ Student(s) attending @ $35 each = $ _____ total

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Schedule:

8:00-8:50 Registration / Breakfast / Exhibitor Displays

8:50-9:00 Introductions and Announcements

9:00-9:30 How EPA Promotes Green Infrastructure
Presenter: Myra Schwartz, U.S. Environmental Protection Agency-Region 1

Ms. Schwartz will discuss how EPA is promoting green infrastructure through resources, grants, collaboratives, and other initiatives, including education campaigns such as Soak Up the Rain.

9:30-10:00 Better Environmental Coordination Equals Better Projects: Environmental Planning in State Capital Projects
Presenter: Jeff Bolton, State of Connecticut, Division of Construction Services

The focus of this presentation will be on how early and up-front environmental planning can lead to better projects involving local school construction and state facility projects. Topics include: DCS environmental policies and procedures, new General Permit for stormwater for construction, discussion on bidding for consultant services for local school building projects, flood management certifications, site selection, and extreme precipitation discussion.

10:00-10:45 Cutting Edge Green Infrastructure, in Policy and Practice
Presenter: Hiram Peck III, AICP, Town of Simsbury, and John Ford, PE

In this module Mr. Peck will discuss the process used in Simsbury to create consensus to study stormwater management and the adoption of the "Beyond LID" study, policies and regulations derived for a highly public and intensive process. He will also discuss how other studies and state-of-the-art regulations, including a new Form-Based Code in the Town Center, provided added impetus for the LID work and implementation. Jon Ford will discuss several projects, including a proposed project in Simsbury, and show the practicality of the regulations and the design guidelines used in the LID project application. Both neighborhood and watershed approaches will be reviewed.

10:45-11:00 Morning Break / Exhibitor Displays

11:00-11:30 Understanding GI in CT: Resources from UConn's CLEAR
Presenters: Chet Arnold and Mike Dietz, UConn Center for Land Use Education and Research (CLEAR)

CLEAR has a number of educational resources to help landscape professionals familiarize themselves with stormwater green infrastructure practices. These include technical tools like the online Low Impact Development Atlas, the "Do It Yourself" website, and the smart phone app "Rain Garden." In addition, CLEAR is involved in several interesting GI projects, including a longstanding project that is transforming the landscape of the UConn campus, and a new project that is promoting GI at schools in the City of Bridgeport.

11:30-12:00 Where Does GI Fit into Connecticut's Stormwater Permitting?
Presenter: Christopher Stone, PE, State of Connecticut DEEP

Stormwater permitting and green infrastructure can (and should) go hand in hand. The recently reissued Construction General Permit encourages the use of GI to meet the new runoff retention requirements for new development and redevelopment. DEEP also recently published a notice to renew its municipal stormwater general permit, the MS4 permit, which would bring all municipal land use regulations up to date in removing barriers to GI and encouraging regulatory language that includes GI measures. Find out how it all fits together within DEEP's stormwater permitting program.

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12:00-1:00 Lunch / Exhibitor Displays

1:00-1:15 ASLA's New Guide to Green Infrastructure

ASLA's new online GI page include links to hundreds of free research studies, news articles, and case studies, organized by green infrastructure scale, from broadest to smallest. This brief overview will highlight these tools and reveal helpful resources for use by design professionals and communities.

1:15-2:00 CASE STUDY: Improvement of Volume Storage and Stormwater Quality through Green Infrastructure

Presenter: Aris Stalis, PLA, ASLA, Aris Land Studio, and Chris DeAngelis, PE, Cabezas-DeAngelis Engineering & Surveying

*We shall review the case for green infrastructure by examining Norwalk's **Stepping Stones Museum for Children** as a case study. From planning and design, through construction and post-construction, what do designers and owners need to consider in addressing stormwater when developing site designs? Stormwater is not only about the water molecule, but the composition of soil, how the site is utilized and maintained, and how design solutions can expect to serve the public effectively in the long term.*

2:00-2:45 CASE STUDY: The Aesthetic Uses of Green Infrastructure in Planning and Design

Presenter: ShavaunTowers, PLA, FASLA and Natasha Andjelic, PLA, ASLA, TowerslGolde, LLC

*This module will describe how green infrastructure can be a unifying aesthetic element in the design of the site. The presenters will focus their discussion on their recent work on the **Life Science Laboratory Building, UMass Amherst**, whose landscape design integrates stormwater management and native plant communities to reveal the ecology of the site. Its landscape transitions a steeply sloping site with a series of native stone walls interleaved with rain gardens/bio-swales which not only capture, filter, and detain runoff from the roof, parking, and pavements at the base of the building, but also become the dominant visual feature of the site as a whole.*

2:45-3:00 Afternoon Break / Exhibitor Displays

3:00-3:30 CASE STUDY: Green Turns to Gold: Green Infrastructure for a New Corporate Headquarters

Presented by: Kyle Slocum, PLA, ASLA, The S/L/A/M Collaborative, and Stephen R. Dietzko, PE, Milone & MacBroom, Inc.

*Green infrastructure was one of many sustainable design strategies used to promote awareness of a public utility's commitment to their community and approach to responsible site development for their new corporate facility in Orange, CT. See how The **United Illuminating Company** incorporated green infrastructure into their LEED Gold facility to meet regulatory requirements and enhance their new corporate campus.*

3:30-4:00 Case Studies Q&A — Lessons Learned

4:00-4:15 Evaluation Forms, Certificates of Completion, and Raffle Prizes

Note: Persons who miss a portion of the training (i.e., arrive late/leave early) will NOT be issued a Certificate of Completion, per LACES/AIA-CES guidelines.

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About Our Speakers:

Myra Schwartz has 30 years experience in the public sector at the federal, state, and local level (EPA, HUD, MA DEP, Boston Redevelopment Authority, and private consulting company). For the past 22 years she has worked at the Environmental Protection Agency in programs involving watershed planning, brownfields, underground storage tanks, and environmental compliance. Now with the Office of Assistance/Pollution Prevention, she provides assistance with sustainable development practices, stormwater management, green infrastructure and low impact development. Myra is involved with the EPA's "Soak Up the Rain" campaign, to promote taking action on the part of citizens, businesses and communities to implement green infrastructure practices.

Jeff Bolton, Supervising Environmental Analyst for the State of Connecticut's Division of Construction Services, is an environmental professional with over 18 years of enhancing environmental outcomes with economic and social goals to find the balance between development, sustainability, and the environment. At DCS, Jeff administers the Connecticut and National Environmental Policy Acts, related permitting processes for State capital projects, and serves on various committees and working groups. Prior to DCS, he worked for Fitzgerald & Halliday, Inc. where he served as Open Space and Natural Resource Discipline Leader and GIS Discipline Leader and prepared environmental impact documents, and permit applications under state and federal regulations. He works part-time for the Farmington River Watershed Association as a GIS Specialist.

As a professional planner for over 25 years, **Hiram W. Peck III, AICP** has worked with municipalities, the federal government/USDA, regional planning agencies, and private clients. After working for many years in nurseries and greenhouses as a teenager, his focus has always been on man's optimal relation with the land. For 15 years before coming to Simsbury, where he is currently the Director of Community Planning & Development, Hiram worked as Assistant Town Planner in Greenwich and Town Planner in New Canaan. Hiram's eight-year tenure in Simsbury includes strong public consensus building. His work includes the Town Center Form Based Code, the Route 10 Corridor Study, and a new Form Based Code for the The Hartford property, which produced awards from CCAPA, CNU and CT Main Street. Hiram has served on the Board of Selectmen, Board of Tax Review, and numerous other committees in his home town of Woodbury.

Jon Ford is a Professional Engineer with 16 years of experience and is registered in five states, including Connecticut. Jon's planning and design approach is based on the principles of the Charter of the New Urbanism — compact, walkable neighborhood design creating vibrant places in balance with nature. Dedication to traditional neighborhood design and a devotion to interdisciplinary collaboration led Jon to found Morris Beacon Design in 2006, where he served as a New Urbanist civil engineering and planning resource until joining the Horsley Witten Group. Jon is a Knight Fellow in Community Building at the University of Miami's School of Architecture, co-founder and past President of the New England Chapter of the Congress for the New Urbanism, and on the faculty of the Form Based Codes Institute. He serves on the Board of Directors of the New England Chapter of the Congress for the New Urbanism, Ecological Landscape Alliance, and Blackstone Parks Conservancy. Jon's projects have won numerous local and national planning and design awards.

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Chet Arnold is an Extension Educator and the Director for Outreach of the UConn Center for Land Use Education and Research (CLEAR), a partnership of the Dept. of Extension, the Dept. of Natural Resources and the Environment, and the CT Sea Grant Program. Chet has been with the University since 1987, and has worked on the Long Island Sound Study Public Outreach Program, the NEMO Program, the National NEMO Network, and CLEAR — all of which he helped to create. He has authored several national award-winning papers and has been PI or Co-PI on more than $14M of external grants. As the Center's Director of Outreach, Chet focuses on the integration and dissemination of CLEAR research, geospatial tools and training, and outreach programs to best serve CLEAR's municipal and other audiences.

Michael Dietz is the CT NEMO Program Director and a water resource educator. He received both his Masters and PhD from the University of Connecticut, focusing on stormwater and low impact development (LID) techniques. At Utah State University, as an assistant professor and extension specialist in sustainable living, he works on stormwater monitoring and LID, in addition to green building, energy conservation, and water harvesting. He has won several awards from the University of Connecticut and EPA for his work in rain garden education.

Christopher Stone is a Professional Engineer with over 30 years of experience as a designer, project manager, and regulator in a broad spectrum of civil and environmental engineering applications. His primary expertise is in stormwater management and the site design and permitting process. Chris has a Bachelor of Science degree in Civil and Urban Engineering from the University of Pennsylvania. He is a NICET-certified Land Management and Water Control Inspector and has received the Recognition Award for Outstanding Professional Service from Connecticut Engineers in Private Practice and the DEEP Green Circle Award. Chris currently serves as a Stormwater Permit Engineer for the DEEP, where his focus is on the development of the next generation of stormwater general permits to comply with new EPA requirements.

Aris W. Stalis, ASLA, LEED AP is a landscape architect with 26 years of experience in a wide variety of public and private site planning and design projects. After graduating from the State University of New York, College of Environmental Science & Forestry, Aris practiced at the New York City Department of Parks & Recreation, gaining a great understanding of the rigors of the public sector and the development of urban spaces. In 2009, he started his award-winning firm, Aris Land Studio, to provide comprehensive land planning and economic development services to the public and private sector. He contributes to a full range of development features, whose projects encompass urban design, educational facilities, municipal recreation plans, parks, playgrounds, ecological restoration, roadway enhancements, and master development plans. The firm's guiding principle is that well designed and ecologically balanced landscapes help create healthier communities.

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Christopher DeAngelis, a Professional Engineer, received his Bachelor of Science degree from the University of Connecticut in 1990, and began his career in California working for the Los Angeles County Department of Public Works (formerly LA County Flood Control District). Since 1996 he has worked in Connecticut in the private consulting field, where he has developed a wide background in site engineering disciplines, such as utility infrastructure studies and design, flood control studies, hydrological and hydraulic modeling, culvert design, stormwater retention and detention facilities, grading and drainage design, parking lot design, and handicapped accessibility improvements. Chris is registered as a Certified Professional in Storm Water Quality (CPSWQ). He is a partner with the firm Cabezas-DeAngelis Engineering & Surveying in Bridgeport.

Shavaun Towers, FASLA is a founding partner of TowerslGolde, landscape architects and site planners, in New Haven. She holds a BA in Architecture from Smith College and a Master of Landscape Architecture from the University of California, Berkeley. She also has extensive teaching experience at both the graduate and undergraduate level. In over 40 years of practice, her work has focused on corporate, urban design, and institutional projects, including academic, healthcare, and cultural facilities as well as arboreta and historic properties. Shavaun practices landscape architecture as a responsive art with sensitivity to the character and opportunities of each specific site. She has received numerous state and national awards recognizing creativity and design excellence, historic sensitivity, and environmental responsibility.

Natasha Andjelic, ASLA is an Associate at TowerslGolde, having worked there since 2006. She earned her BS in Landscape Architecture from City College of New York and has earned several awards for her work, including New York City Art Commission Excellence in design in 2006 and again in 2014. She was the project manager for the cutting-edge New Laboratory Science Building on the UMass Amherst campus. Currently she is project manager of another major science building and a classroom building at the same university, and is involved in numerous projects at the New York Botanic Garden.

Kyle C. Slocum, ASLA is a Landscape Architect and Principal with The S/L/A/M Collaborative, a national multidiscipline design firm headquartered in Connecticut. Kyle directs the firm's Site Studio, an award-winning practice focused on site planning and design projects for educational, healthcare, and corporate clients. He specializes in complex, large scale, comprehensive campus master plans and detailed site developments using a collaborative design process with clients, allied professionals, regulatory agencies, and community constituents.

Stephen R. Dietzko, a Professional Engineer, is Vice President of Milone & MacBroom, Inc., where he manages the firm's large-scale site and institutional development projects for municipal, utility, and private clients. Stephen has experience in the design of a variety of stormwater detention and water quality systems as well as water supply and wastewater systems. He has a BS in Civil Engineering from the University of New Hampshire and over 25 years of experience.