Register online at **www.ecolandscaping.org**

The Ecological Landscaping Association presents:

The 18th Annual Conference & Eco-Marketplace

Coming Full Circle

March 7 & 8, 2012 MassMutual Center, 1277 Main Street, Springfield, MA

Join ELA as we develop landscape strategies to integrate people and place.

Maximize Potential:

- Create landscapes incorporating biodiversity and native habitats.
- Minimize water use and maximize water percolation.
- Learn about new landscaping products and techniques from our Eco-Marketplace exhibitors.

Meet the Practitioners:

Our speakers and exhibitors have real life experience with ecological, sustainable and organic landscaping.

Minimize Impact:

The choices we make in our landscapes can reduce resource use and our carbon footprint.

Co-Hosts:

Association of Professional Landscape Designers (APLD)

Association of Professional Landscape Designers (APLD)

the ConwaySchool — Graduate Program in Sustainable Landscape Planning + Design

The Conway School

Meet new people! Exchange ideas! Learn new techniques!

To review the brochure and use the online registration, or to download a mail-in registration form, visit: **www.ecolandscaping.org**

General Information

Online Registration
Visit www.ecolandscaping.org to register online!

On-site Registration
Register at the event: March 7 and 8.

Continuing Education Credits
Pesticide credits have been requested from the six New England states, NY and PA. CEU credits have been requested from APLD, MLP, ASLA, ISA, MNLA, MCH, MAA, NOFA OLCP, and others.

Contact Information
Visit www.ecolandscaping.org for online registration, general information, and conference details.

Attendee information
Penny Lewis at 617-436-5838

Exhibitor information
Trevor Smith at 617-308-7063

Bookstore
8:00am–4:30pm. Visit the horticulture bookstore in the Eco-Marketplace. This is a great place to discover new and hard-to-find publications related to ecological landscaping and other topics for the green industry.

Meals
General registration includes Continental breakfast and lunch (served in the Exhibit Hall) and unlimited access to the Eco-Marketplace. The Thursday evening keynote lecture requires separate registration and includes a plated dinner. Registration for the Wednesday evening tour of Smith College Bulb Tour includes a boxed meal.

Hotel
Rooms at the Springfield Marriott are available to participants for $109 per night. Reservations will be taken no later than February 17, 2012; Register online or call (413) 781-7111 or 1-800-228-9290 and specify the ELA group promotional code: **ELAELAA**. The discount is Not Available at Check-In.

Cancellation Policy
To receive a refund, your request must be received prior to February 15, 2011. A $60 handling fee will be deducted. No refunds will be made after that date unless the conference is cancelled. For recorded cancellation information, call (617) 436-5838.

Disclaimer
ELA is a facilitation organization. Views expressed or products offered by participating companies or individuals are not necessarily endorsed by ELA or its co-hosts.

Consent, Waiver of Liability, and Release
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Coming Full Circle

The 18th Annual ELA Conference & Eco-Marketplace
March 7 & 8, 2012 at the MassMutual Center in Springfield, MA

The problems facing local ecosystems are numerous and complicated. **Be Part of the Solution!**

Bring an open mind and a friendly smile to

Coming Full Circle: Origins and Destinations

ELA's 18th Annual Conference & Eco-Marketplace
March 7 & 8, 2012

You'll meet the most interesting people!

Designers, architects, builders, gardeners, arborists, and specialists of all kinds come together at this premier collaborative event. And, just like you, every one of them is interested in making the world—and their local landscapes—a better place for life to thrive. ELA's 2012 Conference offers a two-day schedule packed with educational opportunities to help you improve your corner of the globe.

This year ELA turns 20, and you're invited to the party!

To celebrate, we've added two full-day intensive workshops to a comprehensive lineup of regular conference lectures that cover all aspects of landscaping. Always a Conference highlight, ELA's Eco-Marketplace continues to provide access to the services and suppliers that will help you achieve change. In addition, there's an evening side trip to the Smith College Botanic Garden in Northampton for the Spring Bulb Show. And we've even added "ELA at the Movies" in cooperation with Bullfrog Films to present a series of exceptional videos to round out your education.

Don't miss this chance to grab a piece of birthday cake and celebrate with people who are making a positive difference every working day.

You really are part of the Solution!

Workshops: March 7th

"Pro"active Protection of Wetlands:
Conservation and Landscape Professionals Collaborate Riparian buffers. Built wetlands. Limiting nutrient leaching. All are essential goals of wetland protection, but they often fail. The solution is an in-depth look at how conservationists and landscape professionals can work together for the best possible outcome for wetland protection projects. Presenters include professionals from both sides of the conservation equation providing a unique opportunity for dialog between the two groups.

Bringing Life to Urban Landscapes: New Ideas in Urban Design
Abandoned lots. Heat soaked rooftops. Walls covered in graffiti. Urban landscapes often seem destined for degradation and sterility; but they are also a lost opportunity for lush, vibrant, and productive ecosystems. Presenters will examine all aspects of urban ecological development, design strategies, and successful projects.

Keynote Presentations

Keynote Luncheon, March 7th

Japanese Knotweed Control Solutions: Latest Techniques from the UK

Japanese knotweed is one of the most difficult invasives to manage in the urban and suburban landscape. Mike Clough has nearly a decade worth of experience eradicating Japanese knotweed in the UK. He presents the latest techniques for controlling invasives such as knotweed, including non-chemical and bio-controls, as well as new "soil sifting" technologies. Clough provides historical context and touches on Himalayan balsam, Giant Hogweed, and Ragwort.

Mike Clough, Japanese Knotweed Solutions Limited of Manchester, United Kingdom

Keynote Dinner, March 8th

Landscapes Coming Full Circle: Cultivating Resilience in a Time of Transition

In the past, local landscapes supported local communities. In the future, managed landscapes may do so again. Confronted by changes to Earth's global climate, all of us will be challenged to redefine human habitats.

Ben Falk has already begun—developing human habitats that maximize productivity while reducing both short term and long term outside inputs. These are adaptive and resilient places designed to survive a future of peak oil, climate instability, and other challenges an uncertain future might bring. Good whole-systems design will harness the forces of evolution and include both the built and biological environment. Falk emphasizes extensive site analysis, the creative interplay of multiple disciplines, and utilization of the relative abundance of present-day resources to establish a sustainable future.

Ben Falk, Whole Systems Design, LLC

Coming Full Circle

The 18th Annual ELA Conference & Eco-Marketplace
March 7 & 8, 2012 at the MassMutual Center in Springfield, MA

March 7, 2012 Pre-Conference Intensive Workshops

8:00am

Registration opens
Continental Breakfast in Exhibit Hall

8:30–12:00pm

Morning Sessions

12:00–1:00pm

Luncheon and Keynote

1:00–4:30pm

Afternoon Sessions

4:30–7:30pm

Optional Smith College Bulb Tour

8:30–10:00pm

ELA 20th Birthday Celebration
Springfield Marriott

Bringing Life to Urban Landscapes: New Ideas in Urban Design

Seeing Green: Designing the Urban Landscape
Tobias Wolf, Wolf Landscape Architecture

Creating an Urban Edible Forest: A Case Study
Kate Venturini, URI Outreach Center

Native Plant Communities Suited to Urban Sites Kevin Staso, North Creek Nurseries

Verticulture: Taking Gardens to New Heights
Trevor Smith, Land Escapes

Water-Centric Sustainable Communities: Planning, Retrofitting, and Building the Next Urban Environment John Ahern PhD, UMass Amherst

Bringing the "Wild" into the Urban Landscape
Thomas Benjamin, Regenerative Design Group and ECS' Energy Services Division

Japanese Knotweed Control Solutions: Latest Techniques from the UK Michael Clough, Japanese Knotweed Solutions Limited

"Pro"active Protection of Wetlands: Conservation and Landscape Professionals Collaborate

Working Together In Ecologically Sensitive Areas
Ingeborg Hegeman, BSC—Ecological Sciences Group
Theresa Sprague, BlueFlax Design

Protecting Water Resources: Beyond Silt Fencing and Hay Bales
John Engwer, Groundscapes Express and Phase II Stormwater Solutions

Landscaping on the Edge: Creating Habitat Gardens
Nanette Masi, Back to Nature

March 8, 2012 Conference Sessions

8:00am

Registration opens;
Continental Breakfast in Exhibit Hall

9:00–10:30am

Coming Full Circle: Restoration of Wellesley College Alumnae Valley
Emily Mueller De Celis, Michael Van Valkenburgh Associates

Ecological Pest Management in Turf
Mary Owen, Extension Educator and Specialist, Turf, UMass Amherst

Water Neutral Gardens: The Greywater Component
Golden Love, Love's Gardens

11:00–12:30pm

Native Plant System Design to Increase Habitat Diversity
Kate Venturini, URI Outreach Center

Knowing the "Enemy": Practical Solutions for Deer and Other Pests
Barbara Hobens, Hudson Highlands Garden Design

A New Program to Improve MA Waterways Alex Murray, MA Department of Transportation

12:30–2:00pm

Lunch & Networking in the Exhibit Hall

2:00–3:30pm

Designs that Feed Us
Ben Falk, Whole Systems Design, LLC

Going to Extremes: How Climate Change Could Impact Invasive Species
Jennifer Forman Orth, MA Department of Agricultural Resources

Our Neighbors Down Under: Microbes in the Soil
Joe Magazzi, Green Earth Agriculture

4:00–5:30pm

SITES on the Ground: Lessons from a Long Island Pilot Project
CeCe Haydock, Constance T. Haydock Landscape Architecture

Protecting Biodiversity: Prioritizing Invasive Control Efforts
Julie Richburg PhD, Trustees of Reservation

Going Up and Out: Green Roofs and Living Walls
Jimmy Dick, Furbish Company

9:00am–3:30pm

ELA at the Movies
Tree Anatomy Below Ground, Dr. Alex Shigo
Edens Lost and Found, Philadephia
Global Gardener, Permaculture with Bill Mollison
Livable Landscapes, By Chance or By Choice?
People and Predators Co-Existing in Harmony
Pointless Pollution, America's Water Crisis

4:30pm

Eco-Marketplace closes

5:30–6:30pm

Hors d'oeuvres, cash bar, and music in the lobby. Take a moment to network and digest the seminar offerings while enjoying the sounds of live jazz. Relax and energize before dinner and the keynote presentation.

6:30–8:30pm

Dinner and Keynote
Landscapes Coming Full Circle: Cultivating Resilience in a Time of Transition
Ben Falk, Whole Systems Design, LLC

Coming Full Circle

The 18th Annual ELA Conference & Eco-Marketplace
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Pre-Conference Intensive Workshop Descriptions, March 7th

Track 1

Bringing Life to Urban Landscapes: New Ideas in Urban Design

Seeing Green: Designing the Urban Landscape

Tobias Wolf, Wolf Landscape Architecture

We expect a lot from our urban landscapes. We want them to refresh and delight us, to provide infrastructural and ecosystem services, and to help us shrug off the intense stresses of the urban environment.

Landscape architect Tobias Wolf will explore strategies for how to meet these expectations by creating landscapes that are legible, inviting, and engaging. Drawing on his designs for Cornell University, the Prudential Center, and the Rose Kennedy Greenway, he will show how design that celebrates biodiversity and natural process can give our cities and suburbs new vitality.

Creating an Urban Edible Forest: *A Case Study*

Kate Venturini, URI Outreach Center

Incorporating edible forest gardens into urban environments could provide a source of locally grown food while also providing habitat for native wildlife populations.

Kate Venturini will discuss the goals and the process behind the creation of the Edible Forest Garden at Roger Williams Park in Providence, RI, and will elaborate on the design decisions made to accommodate existing conditions.

Native Plant Communities Suited to Urban Sites

Kevin Staso, North Creek Nurseries

Designing with the proper plant communities in mind leads to a more visually harmonious and balanced landscape while also enhancing the ecological value and biodiversity of the site. Creating a successful urban landscape requires understanding the diverse and sometime harsh conditions that exist on the site, and overcoming these conditions with proper plant selection. Choosing a plant community that is well adapted to similar conditions is key. Kevin Staso will review a variety of herbaceous native plant communities that thrive in difficult conditions and that will enrich the urban landscape.

Verticulture: Taking Gardens to New Heights

Trevor Smith, Land Escapes

The idea of living walls and green facades is nothing new; however, modern applications and the infinite design and business possibilities are!

Trevor Smith of Land Escapes will explain how new technologies in verticulture allow for more innovation in the design and creation of living walls. He will talk about the growing opportunities that verticulture offers, microclimate benefits such as heat reduction and improved air quality, and how to incorporate the art of living walls into your design repertoire. For urban gardeners frustrated by the limitations of confined spaces, Trevor will share his experience with how living walls can take gardening to new heights.

Water-Centric Sustainable Communities: Planning, Retrofitting, and Building the Next Urban Environment

John Ahern, PhD, UMass Amherst

"The time has come to look for and implement new concepts for urban planning and design," according to Dr. Jack Ahern's latest book Water-Centric Sustainable Communities.

Such communities will use Green Infrastructure, the integration of high-performing green networks linked with ecosystem services (vs. green spaces) that serve to meet human needs for clean air and water. This presentation, illustrated with international case studies, will focus on urban applications of Green Infrastructure systems.

Dr. Ahern will discuss the theory behind the concept and address the broad suite of ecosystem services that Green Infrastructure can provide.

Bringing the "Wild" into the Urban Landscape

Thomas Benjamin, Regenerative Design Group and ECS' Energy Services Division

How can we bring the "wild" into urban open spaces, public facilities, and residential landscapes?

Tom Benjamin will share his insights and the techniques that he has used to integrate "wildness" into designs for urban environments. He will cover passive stormwater management, soil rejuvenation, habitat enhancement, aesthetic and maintenance considerations, and the nexus between human wellness and the health of the environment. Innovative methods of reusing onsite materials to reduce our carbon footprint and control Operations & Maintenance costs will be addressed as well.

Pre-Conference Luncheon Keynote

Japanese Knotweed Control Solutions: Latest Techniques from the UK

Michael Clough, Japanese Knotweed Solutions Limited

Armed with the latest techniques and nearly a decade of experience, Mike Clough is working to control and eradicate Japanese knotweed in the United Kingdom (UK). Based on his extensive research of invasive control methods, he will present a brief history of Japanese knotweed in the UK, including how and why it has spread and the problems it has caused. He will cover the latest techniques in chemical, non-chemical and bio-control (the release of Psyllid aphid) strategies as well as new "soil sifting" technologies. Mike Clough will also briefly address other invasives under control in the UK, such as Himalayan balsam, Giant Hogweed, and Ragwort.

Track 2

"Pro"active Protection of Wetlands: Conservation and Landscape Professionals Collaborate

Conservation and Landscape Professionals – Working Together In Ecologically Sensitive Areas

Ingeborg Hegeman, BSC—Ecological Sciences Group
Theresa Sprague, BlueFlax Design

This workshop will be a unique opportunity for Landscape Professionals and Conservation Commissioners to share ideas and learn from one another with the common goal of preserving the ecological integrity of some of our most sensitive landscapes.

Ingeborg Hegeman will review the fundamentals of wetland permitting, including: the Interests of Wetlands Protection Act, Resource Areas and Buffer Zones, permitting and submittal requirements, the public hearing process, the duties and authority of Conservation Commissions, and the meaning of the Orders of Conditions.

Theresa Sprague will address the importance of thinking beyond the regulations when

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Coming Full Circle

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designing mitigation and buffer plantings as well as how to best develop and present plans to Conservation Commissions for review and permitting.

Protecting Water Resources: Beyond Silt Fencing and Hay Bales
John Engwer, Groundscapes Express and Phase II Stormwater Solutions

Site disturbance from construction, re-grading and other activities can lead to soil erosion and sediment runoff, degrading the land and adjacent water bodies. John Engwer will show how preventing and solving these problems with the use of compost topsoil, compost filter tubes, fiber wattles, and subtle grading modifications in lieu of the traditional silt fence and hay bales can provide both immediate control of storm-water and long-term ecological benefits. He will also discuss how invasive plant management combined with native plant restoration and follow-up maintenance can provide long-term protection of soils, water resources and habitat. John will demonstrate how a more holistic approach to stormwater management can create an ecologically well-functioning site with long-term stability.

Landscaping on the Edge: Creating Habitat Gardens
Nanette Masi, Back to Nature

Wondering how to landscape along the edge of ecologically sensitive areas?

Nanette Masi will outline simple steps for creating attractive woodland landscapes and gardens that protect water resource areas and provide year-round food and shelter for wildlife. She will speak about habitat components, native plant characteristics and groupings, cultural requirements, and site conditions that should be considered when designing for habitat.

With her vibrant photographs, Nanette will highlight a variety of plants and habitats, inspiring new ideas and discussions.

Conference Sessions Descriptions, March 8th

9:00–10:30am

Coming Full Circle: Restoration of Wellesley College Alumnae Valley
Emily Mueller De Celis, Michael Van Valkenburgh Associates

Wellesley College's Alumnae Valley has come full circle. Once a green valley, over the decades it became an industrial site and then a parking lot covering a toxic brownfield; it has now been restored to a vital, functioning ecosystem. Emily Mueller De Celis, will discuss the site conditions and the design process that Michael Van Valkenburgh Associates (MVVA) used to remediate the site, including assessing the unique ecological and topographical conditions, removing toxic metals, and restoring hydrologic systems and native vegetation. Other MVVA projects which have influenced, and been influenced by, the work at Wellesley College will be reviewed.

Ecological Pest Management in Turf
Mary Owen, Extension Educator and Specialist, Turf, UMass Amherst

Ecological pest management is founded on environmentally sensible practices that enhance a turf's ability to withstand pest pressures while having minimal impacts on the greater environment.

Based on years of experience in turf management, Mary Owen will discuss ecological pest management for turf. Her presentation will include a discussion of basic cultural practices and how they affect specific pests. In addition, she will focus on selection, use and effectiveness of organic, biological, and botanical materials as well as the use of mechanical techniques for managing even the most difficult of turf grass pests.

Water Neutral Gardens: The Greywater Component
Golden Love, Love's Gardens

Water is essential to our professional landscape practices. How can we maintain successful businesses if there are restrictions in our water use by government authorities? A Water Neutral Garden™ (WNG) uses no municipal or well water, and therefore offers a solution to problems brought on by drought. Golden will review the basic components of a WNG and explore the possibilities for grey-water use. He will talk about how California's newly adopted plumbing code is beginning to address the water challenges of this century, and will describe the permitted and permit-exempt systems his company has installed. Laundry to Landscape irrigation systems and the Aqua2use™ greywater systems will be explained in detail with plans and equipment for people to review during the session.

11:00–12:30pm

Native Plant System Design to Increase Habitat Diversity
Kate Venturini, URI Outreach Center

As development pressures increase throughout New England, the number of landscapes now dominated by exotic plants and expansive lawns has diminished the quality of our land for native wildlife. As habitat decreases, the distribution of populations is altered and biodiversity is significantly reduced.

Ms. Venturini will discuss using the Native Plant Systems Guide as a solution to curb habitat loss and enhance existing habitat on residential properties. She will review the characteristics and components of native plant systems as they relate to siting, design and installation on home landscapes

Session attendees will receive the recently published Native Plant Systems for Backyard Habitat: A How-To Guide for Professionals and Homeowners to Enhance Habitat Value on Suburban and Urban Landscapes.

Knowing the "Enemy": Practical Solutions for Deer and Other Pests
Barbara Hobens, Hudson Highlands Garden Design

Land care professionals hear it all too often: "I hate deer." Not only are they eating our gardens, but over-eating, due to increased populations, is causing the destruction of forest understory essential to songbird habitat. Ms. Hobens will focus her presentation on facts about deer and other animals that cause gardeners dismay, and offer some practical design solutions.

In addition to identifying the "enemy" and their patterns of behavior, Ms. Hobens hopes to also encourage the audience to understand the importance of welcoming wildlife into other areas of their property.

A New Program to Improve MA Waterways
Alex Murray, MA Department of Transportation
The Massachusetts Department of Transportation (MassDOT) has launched a new program, the

Continued on next page.

Conference Sessions Descriptions, March 8th

Continued from previous page.

"Impaired Waters Program", to construct stormwater treatment for highway run-off into Commonwealth waterways that the EPA has classified as "impaired waters".

Alex Murray will discuss how MassDOT is implementing this effort statewide, building filtration basins, bio-filtration swales, and other site treatment features, as part of ongoing road and bridge projects, as well as stand-alone stormwater retrofits.

2:00–3:30pm

Designs that Feed Us
Ben Falk, Whole Systems Design, LLC

Ben Falk will present strategies for creating productive landscapes based on regenerative food and water systems which he and his firm, Whole Systems Design, have been researching and developing for the past 8 years.

He will discuss how to maximize productivity and reduce outside inputs. Using his work as an example, Mr. Falk will demonstrate how all elements of the landscape can be used for productivity and can serve multiple functions. For instance, trees can serve as windbreaks as well as to provide fuel and produce food for human consumption; topography is shaped to create microclimate as well as to manage water; and farm animals provide fertilizer, control vegetation, and are a source of food.

Join Ben Falk as he talks in-depth about these strategies and how they can be incorporated into more traditional suburban and urban landscapes.

Going to Extremes: How Climate Change Could Impact Invasive Species
Jennifer Forman Orth, MA Department of Agricultural Resources

Hotter hots, colder colds, more severe weather events, rising sea levels…sounds like a disaster movie, but it's likely our reality as climate change takes hold. Learn about how climate change could impact invasive weeds, insects and plant pathogens in ways that scientists are just beginning to predict. What new invaders could take hold in Massachusetts? What invasive species are already in the area waiting for the opportunity to expand their range? From average temperature changes to altered nutrient cycling to new vectors of spread, learn to think about climate change from an invasion ecology perspective, so that you're able to start thinking about how best to prepare the most resilient landscapes.

Our Neighbors Down Under: Microbes in the Soil
Joe Magazzi, Green Earth Agriculture

Essential to understanding soil and plant health is knowledge of the interactions of soil microbes and the functions they perform. With increased reliance on chemicals for fertilizing and pest control, soil microbes and the beneficial functions they provide have been ignored. Joe Magazzi will discuss microbial interactions and how they improve soil quality. He will also focus on how, by improving the microbiology of your soil, you can reduce the need for fertilizers and pesticides.

4:00–5:30pm

SITES on the Ground: Lessons from a Long Island Pilot Project
CeCe Haydock, Constance T. Haydock Landscape Architecture

SITES (Sustainable Sites Initiative) is testing a new guideline and rating system to include the area "outside the building's skin" on a pilot project on Long Island.

What is this new system and what are the difficulties faced by the pilot project following this new protocol? How can practitioners employ the SITES "Guidelines and Benchmarks" in their projects?

CeCe Haydock, current project manager of this project, will address these SITE related questions and more.

Protecting Biodiversity: Prioritizing Invasive Control Efforts
Julie Richburgh PhD, Trustees of Reservations

Non-native invasive species are the single greatest threat to biodiversity on lands owned by The Trustees of Reservations. Guidelines have been developed to prioritize invasive plant control efforts, ensuring that finite dollars and human resources are used most effectively to target significant natural resources. Dr. Julie Richburg will discuss these guidelines and demonstrate how management based on prioritization has proven critical to the Trustees' success in protecting biodiversity on their properties, resulting in increased rare species populations and improvement of key habitats.

Going Up and Out: Green Roofs and Living Walls
Jimmy Dick, Furbish Company

Plants provide essential services for humans, including water infiltration, pollutant uptake, heat relief, erosion control, and air filtration. Jimmy Dick will describe how living roofs and living walls perform these services. He will review the types of soils used in such projects, construction methods, and the lessons that have been learned from projects built.

6:30–8:30pm Keynote

Landscapes Coming Full Circle: Cultivating Resilience in a Time of Transition
Ben Falk, Whole Systems Design, LLC

Until recently, every generation has relied upon the local landscape to support basic needs; landscapes were not merely decorative. However, confronted by the challenges of climate change, post peak oil and resource scarcity, landscape designers and land managers will be forced to reevaluate how they view and use land.

Ben Falk has already begun the process of developing landscapes that prepare us to meet these challenges. He will discuss his work and vision of landscapes that will allow communities to more successfully face the challenges that lie ahead—landscapes designed to maximize productivity of the land while reducing outside inputs. Ultimately, these productive landscapes and the "whole system approach" involved in their design and construction will allow communities to be more self-reliant and resilient in the future.

Ben will discuss principles that drive his firm's design and development work, examples of these in action across the globe, and strategies for developing such systems in conventional suburban and urban landscapes.

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Speaker Biographies

Jack Ahern, PhD is an award-winning landscape architect, a professor of Landscape Architecture and Regional Planning and Vice Provost of International Programs at the University of Massachusetts in Amherst.

Dr. Ahern has researched and written extensively about the issues surrounding urban growth, landscape planning, biodiversity, and sustainability. His latest book, published in 2010, is Water-Centric Sustainable Communities.

Thomas Benjamin is a registered Landscape Architect and LEED Accredited Professional (AP) and educator with more than 20 years experience in environmental design work. His restoration experience includes assessment, design, and construction of upland, wetland, riparian, and coastal sites using low-tech bioengineering solutions.

Mr. Benjamin's site planning work emphasizes low maintenance native plantings for public facilities, commercial, institutional, and residential developments, as well as private residences. His work also encompasses the creation and enhancement of natural stormwater filtration systems in both developed and natural contexts.

Mike Clough formed Japanese Knotweed Solutions Limited (JKSL) in 2002 in response to his observation of the dramatic spread of invasive weeds, in particular the aggressive invader, Japanese knotweed.

For the past 9 years, Mr. Clough has traveled around the UK educating local authorities, construction companies and environmental associations about his extensive research and effective invasive control methods.

Prior to forming JKSL, Mike Clough, educated at Leeds Metropolitan University of England, was an award winning Landscape Architect.

Jimmy Dick is Director of Business Development for Furbish Company and SmartSlope. Prior to joining the Furbish Company he was the mid-Atlantic Business Development Director for Marcor Remediation, Inc.

He is a consortium support member of the Watershed Stewardship Academy in Anne Arundel County, MD. In this role he provides volunteer technical assistance for green roof, raingarden, and native plant projects.

He hopes to develop a similar academy to educate the residences of Maryland's eastern shore.

John Engwer is the principal of and driving force behind Groundscapes Express and Phase II Stormwater Solutions based in Wrentham, Massachusetts.

He has been developing leading-edge, ecologically sound erosion control and stormwater practices and implementing them throughout New England for the past 14 years.

There is increasing demand for these practices from municipalities and commercial and private property owners.

Ben Falk developed Whole Systems Design, LLC (WSD) as a land-based response to biological and cultural extinction and the increasing separation between people and elemental things. At the Whole Systems Research Farm in Vermont, WSD is developing land production and ecological restoration methods aimed at increasing self-reliance in the face of peak oil, climate change, and other shifts.

Mr. Falk's integrative approach to developing landscapes and buildings is continually informed by his life as a designer, builder, ecologist, tree-tender, and backcountry traveler. He has studied architecture and landscape architecture and holds a master's degree in land-use planning and design. He teaches design courses including permaculture, microclimate, and design for climate change.

CeCe Haydock is a LEED (Leadership in Energy and Environmental Design) accredited New York state licensed landscape architect, a national and chapter member of the US Green Building Council, and a member of the American Society of Landscape Architects.

Her practice focuses on site planning and design and consulting for sustainable design, adaptive re-use, and projects seeking LEED certification. In addition to overseeing the SITES pilot project on Long Island, New York she lectures on the SITES program and on historic gardens.

Ingeborg Hegeman is a wetland scientist and the vice president and principal of BSC's Ecological Sciences Group. She has consulting experience in environmental science, wetlands assessment and impact analysis, regulatory permitting, stormwater management and municipal regulatory analysis, and public hearings.

Ms. Hegeman teaches environmental impact analysis and regulation courses to state agencies and local and regional environmental interests. She currently serves on a local Conservation Commission.

Barbara Hobens of Hudson Highlands Garden Design is an edible and ornamental property designer with a focus on nature-scaping and forest-scaping gardening for and with wildlife in mind.
Author of Garden Your City, she writes a weekly e-newspaper column, Philipstown Gardens.

She is a founding member of Manitoga's Woodland Landscape Council, a certified Deer Steward, and a trained Habitat Steward Host spearheading NatureScape Putnam in 2012 – a habitat education and gardening initiative.

Golden Love is a garden ecologist, a certified ARSCA Rainwater Catchment Professional, Greywater Action certified installer, landscape contractor, California Community College credentialed instructor, ELA California Coordinator, and principle of Love's Gardens based in Santa Cruz, CA.

He has been creating gardens for over 30 years with a focus on sustainable use of resources and specializes in building Water Neutral Gardens™ – gardens that incorporate rainwater harvesting, greywater use, edible and native plants, and local renewable resources. Mr. Love is committed to establishing community practices that are nourishing and respectful of the planet, humans, and animals.

Joe Magazzi, MS, is the president and co-founder of Green Earth Agriculture, a company that provides eco-friendly products and consulting services to land care professionals and farmers. He has been involved in the research and development of microbial-based products for use in turf care and agriculture for many years.

Joe Magazzi has a Master's degree in genetics (with a microbiology focus) from the University of Connecticut-Storrs.

His research has been published in scientific journals such as The New England Journal of Medicine.

Nanette Masi, M.Ed. shares her love of nature, photography, and education through her landscape design firm 'Back to Nature'. Her mission is to help people connect to the natural world and to learn organic methods of gardening for their own health and the health of their community.

With degrees in Botany, Ecology, & Science Education, an OLCP certificate through NOFA and years of organic gardening and design experience,

Continued on next page.

Speaker Biographies

Continued from previous page.

Ms. Masi has been a guiding force in the creation of wildlife habitat gardens throughout the region.

Emily Mueller De Celis is a Senior Associate at Michael Van Valkenburgh Associates (MVVA) where she has served as the lead coordinator on over 16 projects, including the transformative Alumnae Valley Landscape Renewal project. Her work includes urban projects such as Don River Park, a brownfield reclamation site in Toronto, Ontario; Library Park, Harvard's first sustainable urban park in Allston, MA; and Teardrop Park, in Battery Park City's extensive park system in New York City.

Ms. Mueller De Celis received her BA in Architectural History and Sculpture from Wellesley College in 1991, her Master of Architecture from the University of Virginia in 1996, and her MLA from Harvard's Graduate School of Design in 1998. In addition, she has been an adjunct professor at the Rhode Island School of Design.

Alex Murray is a Wetlands and Water Resources Analyst in the Environmental Services Section of the Massachusetts Department of Transportation (MassDOT).

As the Coordinator of MassDOT's new Impaired Waters Program he works with design consultants to determine what stormwater features might be necessary to address discharges to impaired waters. He is well versed in all aspects of wetland and storm water regulations, permitting and policy.

Jennifer Forman Orth, PhD is an invasive plant ecologist, currently working as the State Plant Pest Survey Coordinator for the Massachusetts Department of Agricultural Resources. Ms. Forman Orth is engaged in surveying for high-priority invasive pests, weeds, and diseases, and also doing outreach to the green industry and to the public about these pests. A significant percentage of her time has been devoted to Asian longhorned beetle outreach and education since this invasive pest was discovered in Worcester, MA in August 2008.

Mary Owen, a veteran educator, is the team leader and technical specialist for the UMass Amherst, Extension Turf Program where she oversees the development of programs and publications for lawn and land care professions.

Ms. Owen provides technical consultations for professional turf and grounds managers, volunteer and community groups, and others interested in lawn and land care.

She is a founding member of the New England Sports Turf Managers Association and currently serves as a special advisor. She is an active participant in the Massachusetts Association of Lawn Care Professionals, the New England Regional Turfgrass Foundation and the national Sports Turf Managers Association and has served on her local Conservation Commission and Parks and Recreation Commission.

Julie Richburg, PhD is the Regional Ecologist for The Trustees of Reservations (a state-wide non-profit land trust) Western Region in MA. She oversees natural resource inventory and management for the 40 properties (approx. 9,000 acres) owned or managed by The Trustees.

While at UMass Amherst, Dr. Richburg's research focused on control of woody invasive plants using mechanical and prescribed fire treatments across the Northeast.

In 2008, she wrote "Invasive Plant Management: Guidelines for Managers" which includes guidelines for prioritizing invasive plant management by property or region.

In 2009, she organized a partnership of individuals, organizations, and agencies interested in invasive species control within the Westfield River Watershed.

Trevor Smith MCH, LEED Green Associate, AOLCP is the owner of Land Escapes, a landscape design company specializing in native plant design, living walls, green roofs, rain harvesting, permeable pavements, and urban farming.

Mr. Smith is the vice president of the Ecological Landscaping Association and is a certified Green Living Technologies Living Roof and Wall Installer.

He is currently working with Wellesley College to explore and expand the boundaries of eco-technologies like living wall systems.

Theresa Sprague is the Owner of BlueFlax Design. Prior to this, Ms. Sprague was a Senior Restoration Designer at Wilkinson Ecological Design, Inc. where she was the coordinator for all restoration, consulting and design projects. Her work included the development of ecological restoration plans, drafting of land management plans and coordinating with other senior staff members to successfully permit and implement projects.

Theresa Sprague collaborates with architects, engineers, attorneys, and conservation administrators and commissions to develop landscape, mitigation and restoration designs.

Kevin Staso is Sales Director for North Creek Nurseries in Landenberg PA, where he develops regional and national native plant programs for wholesale growers and retailers. His responsibilities also include sustaining North Creek's position as the preferred supplier of Landscape Plugs™ to the landscaping, engineering, watershed, municipal, and conservation communities throughout North America.

Mr. Staso holds a BS degree from UNC Greensboro, is a member of Pennsylvania's Storm Water Technical Review Council's Vegetation Advisory Committee, and serves on the Board of Directors of the Ecological Landscaping Association.

Kate Venturini is a Research Associate at the University of Rhode Island (URI) Outreach Center whose research and outreach efforts focus on sustainable landscape management. She holds a Bachelor's degree in landscape architecture and a Master's of Marine Affairs from URI.

Ms. Venturini currently manages the Invasive Plant Management Certification Program, the RI Residential Rain Garden Training Program, and oversees one of the largest community gardens in RI at Roger Williams Park (RWP) in Providence. She is currently working on the design and installation of RWP's Edible Forest Garden.

She is a Steering Committee member for the Rhody Native Initiative and serves on the Board of Directors of the Ecological Landscaping Association.

Tobias Wolf, MLA, is a landscape architect with twenty years' experience providing design and master planning to public, private, non-profit, and residential clients.

Mr. Wolf has taught design at Cornell University, the SUNY College of Environmental Science and Forestry, the Rhode Island School of Design, the Landscape Institute, and the New England Wild Flower Society.

He serves on the Horticulture Committee of the Friends of the Public Garden and the Board of Directors of the Ecological Landscaping Association.

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