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Ecological Landscaping Association
1257 Worcester Rd., #262
Framingham, MA 01701



The Ecological Landscaping Association's Conference & Eco-Marketplace

Co-hosted by the NOFA Organic Land Care Program and the Pioneer Valley Planning Commission



February 25, 2010 MassMutual Center, 1277 Main Street, Springfield, MA

Expanding the Ecological Landscape:

Maximize Biological Potential, Minimize Environmental Impact, and Love the Results!

Maximize Potential:

- Create landscapes incorporating biodiversity and native habitats.
- Develop composting systems to build healthy soils.
- 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:

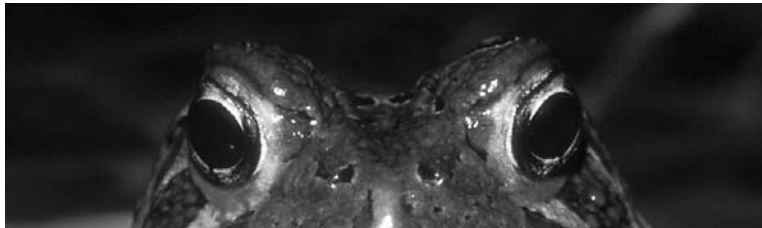
The choices we make in our landscapes can reduce resource use and our carbon footprint.

Online
Registration
ecolandscaping.org

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**





The 16th Annual Conference & Eco-Marketplace

February 25, 2010
MassMutual Center, Springfield, MA

WELCOME

ELA's 16th Annual Conference & Eco-Marketplace

Co-hosted by the NOFA Organic Land Care Program and the Pioneer Valley Planning Commission

Expanding the Ecological Landscape Maximize Biological Potential, Minimize Environmental Impact, and Love the Results!

Interest in safe and sustainable landscaping is growing at an unprecedented rate! In response, ELA is Expanding the Ecological Landscape and bringing together a wide spectrum of land care professionals and community activists to present innovative procedures, products, and possibilities. Let's join forces and get inspired!

The 2010 conference features seventeen seminars and workshops presented by passionate practitioners, talented writers, and prominent educators in the fields of landscaping, gardening, eco-design solutions, and more. Sessions explore the theory and practice of ecological, sustainable, and organic landscaping including **smart water use, healthy soil development, and sustainable landscape design**. In addition, practical application sessions include: **designing edible landscapes, controlling invasives, pest management, and urban tree care**.

This year in an effort to enhance the networking opportunities and the exchange of information we are introducing a new concept: **A True Marketplace!** All aspects of our 2010 event, educational sessions, activity areas, and Exhibitors will share the same space. It's a Happening! We'll see you there!

KEYNOTE LECTURE

ELA is pleased to announce our Evening Keynote Speaker:

Toby Hemenway

The Holistic Landscape: Food, Biodiversity, Beauty, Water Conservation in the Residential Landscape

Toby Hemenway is the author of the widely-acclaimed book on permaculture, *Gaia's Garden: A Guide to Home-Scale Permaculture*. Toby Hemenway is an adjunct professor at Portland State University and a Scholar in Residence at Pacific University. He teaches permaculture and consults and lectures on many topics including ecological design, Peak Oil, and local food systems.

Of Special Note:

Speaker **Eric "T" Fleisher**, Director of Horticulture, Battery Park City Parks Conservancy in lower Manhattan, will discuss how he transformed Harvard Yard (Harvard University) from a landscape using conventional protocols to a sustainable model. He'll outline the use of compost, compost tea, and other components that he has found to be essential to establishing and maintaining a sustainable landscape management program.

GENERAL INFORMATION

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.

Online Registration

Visit www.ecolandscaping.org to register online!

On-site Registration

Register at the event: February 25.

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, MAA, and NOFA OLCF.

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

Hotel

Rooms at the Sheraton Springfield Monarch Place Hotel are available to participants for \$109 per night. Reservations will be taken no later than February 17, 2010; call (413) 781-1010 or 1-800-426-9004. ATTENDEES MUST MENTION ELA OR ECOLOGICAL LANDSCAPING ASSOCIATION WHEN REGISTERING; THE DISCOUNT IS NOT AVAILABLE AT CHECK IN. Go to www.sheraton.com/springfieldma and click the "Local Area" link for directions.

Cancellation Policy

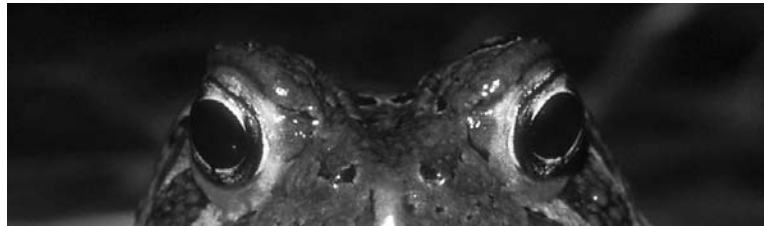
To receive a refund, your request must be received prior to February 10, 2010. A \$60 handling fee will be deducted. No refunds will be made after that date unless the conference is cancelled. For recorded cancellation information, call (617) 436-5838.

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

When you enter the ELA Conference, you will be entering an area where photography, video, and audio recording may occur. By registering and attending the event, you consent to the use of photography, audio recording, video recording and its/their release, publication, exhibition, or reproduction for news, web casts, promotional purposes, telecasts, advertising, inclusion on web sites, or any other purpose by ELA and its affiliates and representatives without payment/royalties or inspection/approval of materials. You release ELA, its officers and employees, and each and all persons involved from any liability connected with the taking, recording, digitizing, or publication of photographs, computer images, video and/or sound recordings.



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SESSIONS **Thursday** February 25, 2010

8:00am

Registration opens;
Continental Breakfast in Exhibit Hall

9:00–10:00am

Strategies and Methods for Invasive Species Management

Tara Mitchell, MassDOT

9:00–10:30am

Progressive Strategies for Municipal Water Conservation

Robert Cantoreggi, Department of Public
Works, Franklin MA

Integrating Edibles into the Ornamental Landscape

Eric Toensmeier, Author *Perennial Vegetables*,
co-author *Edible Forest Gardens*

9:30–10:30am

Paving the Way—Choosing and Installing Permeable Pavers

Bruce Morton, Goodwin College

10:15–11:15am

Asian Longhorned Beetle (ALB) —Crisis in New England

Christine Markham, USDA Asian
Longhorned Beetle Eradication Program

11:00am–12:00pm

Urban Tree Installation & Maintenance: A Checklist for Sustainability

Dr. David V. Bloniarz, USDA Forest Service
Northern Research Station and
Edward Casey, Springfield, MA City Forester

11:00am–12:30pm

Restoring Ecological Function by Incorporating Native Plants Systems

Kate Venturini, URI Coastal
Landscapes Program

Landscape Recovery: An Adaptive Challenge

Eric "T" Fleisher, Battery Park City Parks
Conservancy

11:30am–12:30pm

Eco-Friendly Management of Plant Diseases

Dr. Sharon M. Douglas, CT Agriculture
Experiment Station

12:30–2:00pm

Lunch & Networking in the Exhibit Hall

2:00–3:00pm

Holistic Management of Turfgrass Diseases

Dr. Robert L. Wick
University of Massachusetts, Amherst

Irrigation for the 21st Century

Frank Koll, GreenScapes
Lawn & Garden Services

2:00–3:30pm

Design Strategies for City and Town Stormwater Management

Marybeth Murphy and Dominic Rinaldi,
BSC Group

At Home with Sustainable Landscapes Design

Amanda Sloan Gates, Leighton & Associates

4:00–5:00pm

Plight of the Bumble Bee and other Pollinators

Dr. Kimberly A. Stoner, CT Agriculture
Experiment Station

Soil Systems for Water Filtration & Pollution Control

Paul Iorio, Green Street Systems LLC

4:00–5:30pm

Tools for Establishing Sustainable Community Projects

Kathryn Prybylski, Groundwork Lawrence

Designing State-of-the-Art Onsite Composting Systems

Eric "T" Fleisher, Battery Park City Parks
Conservancy

5:30pm

Music/Cash Bar/Hors d'oeuvres

6:00pm

Eco-Marketplace closes

6:30–8:30pm

Dinner & Keynote with Toby Hemenway,
*The Holistic Landscape: Food, Biodiversity,
Beauty, Water Conservation in the
Residential Landscape*

ECO-MARKETPLACE

Be sure to visit the Eco-Marketplace and explore new options in supplies and services essential to improving your skills and your bottom line. Marketplace hours: 8 am–6 pm. Admittance to the Marketplace is included with session registration.

- The Eco-Marketplace boasts some of the newest technology in the green world today.
- Visit the Skills Center featuring presentations offering practical information
- Enjoy Interactive Exhibits

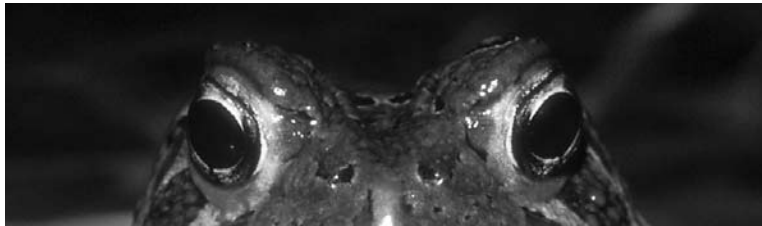
BOOKSTORE

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.

Conference Proceedings Books & ELA Publication

Prior years' Conference Proceedings Booklets are available for \$20 per copy. Send your request and check to: ELA, 1257 Worcester Rd #262, Framingham, MA 01701.

ELA's Guide to Healthy Landscapes, Chapter 1: Volume 1, From the Ground Up: Site and Soil Preparation is available for purchase: \$31.50 nonmembers; \$26.25 ELA members (includes tax, postage and handling). The chapter is an intensive look at on-site soil management for long-term health of the landscape, with 82 pages of practical and in-depth information written by ecologically minded landscapers and professionals. Publisher and volume discounts available.



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SESSION DESCRIPTIONS

9:00–10:00am

Strategies and Methods for Invasive Species Management

Tara Mitchell, MassDOT

Invasive species are rapidly changing the nature of the landscape. Roadsides, in particular, are highly susceptible to invasive species and serve as corridors for their spread into the natural environment. Tara Mitchell will describe a variety of projects aimed at controlling species such as Japanese Knotweed, Perennial Pepperweed, Black Locust, and Mile-a-Minute. Specific mechanical, chemical, and biological treatment methods used by MassDOT and other agencies will be discussed. She will detail design and construction strategies to prevent invasive species establishment in newly planted areas and will address species tracking and management methods, including early detection-rapid response, prioritization of treatment locations, and mapping.

9:00–10:30am

Progressive Strategies for Municipal Water Conservation

Robert Cantoreggi, Department of Public Works, Franklin MA

The town of Franklin, MA has successfully implemented progressive strategies designed to maximize water conservation and phosphorous abatement. In this presentation, DPS Director Robert Cantoreggi will describe Franklin's projects, including methods used for specific locations, maintenance considerations, and the resulting improvements to the town's water system. This session also addresses funding obstacles as well as critical regulation and policy issues.

Integrating Edibles into the Ornamental Landscape

Eric Toensmeier, author *Perennial Vegetables*, co-author *Edible Forest Gardens*

Edible plants are an essential component of truly ecological landscaping. Local food production can be integrated into the managed landscape. The presentation will outline the food mile reduction and other ecological benefits of this approach, profile some case study gardens, and feature edible ornamental species for cold climates, including many underutilized natives.

Paving the Way—Choosing and Installing Permeable Pavers

Bruce Morton, Goodwin College

Permeable pavers are used to enable water infiltration when a hard surface is required. Bruce Morton's presentation will provide examples of the products available and the implementation techniques needed to assure successful project installations with long-lasting results.

10:15am–11:15pm

Asian Longhorned Beetle (ALB)—Crisis in New England

Christine Markham, USDA Asian Longhorned Beetle Eradication Program

The Asian longhorned beetle (ALB) is an invasive forest insect that, if allowed to spread, has the potential to seriously affect the health of New England's forests and its forest products industry. There have been several introductions of the Asian longhorned beetle to the U.S. due to infested wood packing material from international trade. In 2008, infestations in Chicago, Illinois, and Hudson County, New Jersey were successfully eradicated. The USDA is committed to eradicating the remaining ALB infestations in New York, New Jersey, and Massachusetts. This presentation will discuss the current status of Asian longhorned beetle eradication efforts in the United States.

11:00am–12:00pm

Urban Tree Planting and Maintenance: A Checklist for Sustainability

Dr. David V. Bloniarz, USDA Forest Service Northern Research Station, and Edward P. Casey, Springfield, MA City Forester

Dr. Bloniarz and Edward Casey provide an overview of the components critical to tree planting and maintenance, emphasizing the special considerations that must be addressed when working in urban settings. Their presentation will focus on tools and techniques that can be used to ensure the survivability and sustainability of trees planted in streetscape and other urban landscapes. Discussion will include choosing the right tree for the right place, planting techniques, and after-care.

11:00am–12:30pm

Restoring Ecological Function by Incorporating Native Plant Systems

Kate Venturini, URI Coastal Landscapes Program

Ecologically-based design and management of residential landscapes is essential to preserving bio-diversity, ensuring water quality and buffering climate change. Current cultural preferences for residential landscape design exacerbate habitat loss, stress native ecosystems, and create water runoff. This session will focus on the process and tools developed for the Native Plant Design Manual created as a design tool for professionals working in the highly developed Greenwich Bay area of Rhode Island's Narragansett Bay. This approach to mitigating habitat loss and managing stormwater issues is applicable for all residential landscapes.

Landscape Recovery: An Adaptive Challenge

Eric "T" Fleisher, Battery Park City Parks Conservancy

Managing our environment responsibly is a challenge that requires philosophical and behavioral changes. In his work over the past 25 years, Mr. Fleisher has developed protocols that help the landscape to recover from the twentieth century's industrial and chemical interventions. He will describe the design and implementation of the highly successful, sustainable landscape management programs he created for the high-profile public parks at Battery Park City and the campus at Harvard University. Eric will also describe the most important components required to successfully implement a sustainable landscape management program.

11:30am–12:30pm

Eco-Friendly Management of Plant Diseases

Dr. Sharon M. Douglas, The Connecticut Agricultural Experiment Station

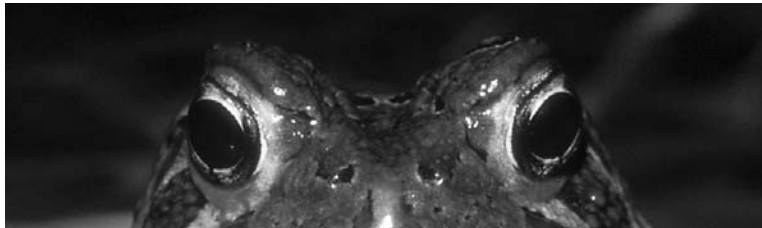
Accurate diagnosis of diseases in the landscape is fundamental to maintaining attractive, healthy plants. Some diseases can be relatively host-specific and are limited to plants within a genus or family. Other diseases can be widespread and have a broad range of hosts. This discussion will highlight some current landscape plant diseases, including new and emerging problems. Topics covered include how to recognize specific diseases by their symptoms and signs; how pathogens over-winter and diseases spread; and how to manage diseases using environmentally responsible strategies.

2:00–3:00pm

Holistic Management of Turfgrass Diseases

Dr. Robert L. Wick, University of Massachusetts Amherst

A holistic approach to turfgrass disease management can effectively control disease and delay fungal resistance to fungicides. Maintaining plant health and improving the growing environment are essential aspects of turf management. Dr. Wick will first describe the biology of pathogens and conditions that contribute to turf disease and then outline integrated, holistic practices to manage turfgrass diseases.



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SESSION DESCRIPTIONS (continued)

2:00–3:00pm

Irrigation for the 21st Century

Frank Koll, GreenScapes Lawn & Garden Services

This presentation focuses on the history of irrigation in New England, the impact of a declining resource, and the challenges to migrating from traditional watering approaches to alternative systems. Rainwater is already being captured to some extent in rain barrels or other storage systems. In some cases, entire landscapes, schools, or shopping malls are using water from sources other than wells or town supplies to irrigate the landscapes, flush toilets, wash cars, and even cool buildings. With an expanding focus on the conservation of limited resources, there is a growing demand for alternative watering approaches by landscape architects and designers, landscape contractors, property managers, and homeowners. This presentation will answer questions about and provide directions for meeting this growing demand.

2:00–3:30pm

Design Strategies for City and Town Stormwater Management

Marybeth Murphy and Dominic Rinaldi, BSC Group

Water conservation design details and landscape management practices can lessen or eliminate the use of on-site potable water, thus reducing pressure on existing public drinking water infrastructure. Water conservation techniques also control flooding and pollution of open water. This session provides an overview of the national guidelines for sustainable construction and maintenance practices developed by the U.S. Green Building Council (USGBC) through their Leadership in Environmental Design (LEED) Green Building Rating System and by the American Society of Landscape Architects (ASLA) through the Sustainable Sites Initiative (SSI). Specific examples, both built and non-built, will show implementation techniques and include projects of various sizes in residential, commercial, and institutional settings in both public and private sectors. Discussion will also include an overview of one town's requirements for future development projects.

At Home with Sustainable Landscape Design

Amanda Sloan, Gates, Leighton & Associates

Over the past decade, theories of “green” and “sustainable” design have made the transition from academic and research circles into the common parlance. On the surface, the public accepts the validity and desirability of these ideas, but how does all the good intention translate into reality? This presentation will explore the experience of a mid-size (25 person) New England landscape architectural firm in incorporating a wide spectrum of green design thinking and techniques into the home

landscape. How are sustainable techniques such as rain gardens, green roofs, bioengineering, organic gardening, habitat restoration, lawn alternatives, and native plants integrated together in the home landscape? Both landscape design clients and practitioners will benefit from the examples taken from concept drawings through actual built/restored landscapes.

4:00–5:00pm

Plight of the Bumble Bee and other Pollinators

Dr. Kimberly A. Stoner, Connecticut Agricultural Experiment Station

Bees are the most important pollinators in North America. Most people have heard about the problems facing honey bees but this non-native bee is only one species among the over 400 species of bees found in the Northeast. We know much less about these other bee species than we should, but we do know that several formerly common species of bumble bees have almost entirely disappeared in recent years. Kimberly Stoner will present the current research on honey bees, bumble bees, and pollination networks, and the importance of reducing the effects of pesticides and habitat loss in preserving this group of insects so critical to the ecology of flowering plants.

Soil Systems for Water Filtration & Pollution Control

Paul Iorio, Green Street Systems LLC

Many state regulatory agencies and municipalities are now strongly encouraging low impact development (LID) techniques such as rain gardens and tree filter systems to effectively replicate pre-existing landscape conditions to reduce the negative impact of land development and surface paving. Soil and other organic media components can be engineered to remediate polluted stormwater prior to infiltration and reintroduction to the groundwater aquifer. Through physical, biological, and chemical interactions, soils serve to “cleanse” stormwater polluted by substances such as petroleum products, metals, nitrogen, phosphorous, and bacteria. Paul Iorio discusses these natural cleansing processes, as well as how to manipulate media components and incorporate amendments to enhance bioavailability of many inorganic and organic pollutants for microbial degradation and plant uptake.

4:00–5:30pm

Tools for Establishing Sustainable Community Projects

Kathryn Prybylski, Groundwork Lawrence

Healthy and sustainable communities don't just happen; they are designed and built. Groundwork Lawrence is working to build healthy, sustainable communities and empower residents to improve

their quality of life. These projects focus on environmental and open space improvements, community food programs, youth initiatives, and educational programming and events. Kathryn Prybylski will discuss tools for community outreach, engagement, and community meetings. Join this interactive discussion and learn how to build sustainable communities!

Designing State-of-the-Art Composting Systems

Eric “T” Fleisher, Battery Park City Parks Conservancy

On-site composting is an integral component of a successful sustainable landscape management program. Eric Fleisher will talk about developing and implementing a successful composting program and how composting fits into the overall scheme of organic landscape management. He'll discuss how to build and maintain an effective natural nutrient cycling capacity in soils using compost and he'll address the need to foster positive public perception and understanding of that process. Topics covered include compost facility requirements and design, feed stock management, composting practice, recipes, compost tea, and applications.

6:30pm Thursday Evening Keynote

The Holistic Landscape: Food, Beauty, Biodiversity and Water Conservation in the Residential Landscape

Toby Hemenway, author of *Gaia's Garden: A Guide to Home-Scale Permaculture*

Climate Change, Carbon Footprint, Locavore, Food Safety! These are the ideas, challenges and opportunities that professionals and landowners alike are thinking about. The question that is often asked – what can I do? – has an answer. Toby Hemenway describes a gardening system that combines edible landscaping, conventional flower and vegetable gardens, and wildlife habitat support into a self-renewing landscape that lets nature do most of the work. Using both visual examples and descriptions of specific techniques, Mr. Hemenway will show how the design approach known as permaculture can restore urban and suburban landscapes to ecological usefulness and stunning biodiversity while still giving the landowner all that's expected and needed from the landscape.

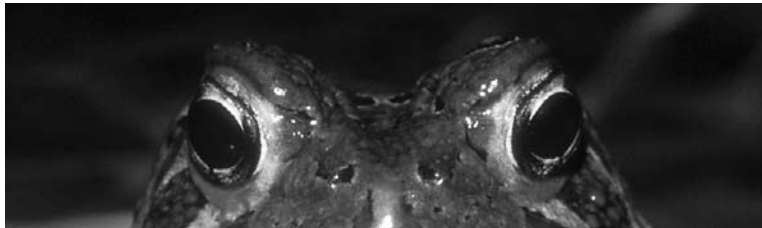
Here's what others have to say about Toby Hemenway's ideas:

“A gardener's blueprint for ecological abundance from the ground up.”

—Steve Spreckel, Acres USA

“Outlines a revolutionary course for the future of gardening and agriculture.”

—Dr. John Todd, founder of The New Alchemy Institute.



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SPEAKER BIOGRAPHIES

Dr. David Bloniarz is an Urban Forester with an extensive background in urban forest management and landscape design. Dr. Bloniarz holds a Masters Degree in Landscape Architecture and a Doctorate in Urban Forestry from the University of Massachusetts Amherst. Presently Dr. Bloniarz is Project Director of the USDA Forest Service Urban Natural Resources Institute, located at the University of Massachusetts Amherst. His work focuses on the transfer of information, new technologies, innovative programming, and research related to urban forests. Dr. Bloniarz is a Massachusetts Certified Arborist and a member of the American Society of Landscape Architects.

Robert A. Cantoreggi is the Director of Public Works for the town of Franklin, MA. As DPW director, Mr. Cantoreggi has implemented sustainable technologies for the town's storm water management, including tree-centric storm water drains, major waterline improvements, and natural vegetative retention systems. He has actively educated the community about the environmental benefits of storm water management using rain gardens, rain barrels, and other water conservation practices; has coordinated storm water events and pond and lake cleanups, and created the Stream Team with local youth organizations and schools.

Edward Casey has been the Springfield City Forester for the past 18 years and has 33 years experience in the field of Arboriculture. He is a Massachusetts Certified Arborist, ISA Certified Arborist, and Past President of Massachusetts Tree Wardens & Foresters. Mr. Casey is a life-long Springfield resident.

Dr. Sharon M. Douglas is a plant pathologist and head of the Department of Plant Pathology & Ecology of The Connecticut Agricultural Experiment Station. During her 27-year career at the Station, one of her primary responsibilities has been the diagnosis of plant health problems for commercial growers, plant professionals, and homeowners. She also co-directs the Molecular Plant Diagnostics Laboratory, which develops rapid, sensitive methods to detect new or re-emerging plant pathogens. Dr. Douglas is active with outreach programs through authorship of numerous fact sheets, disease management guides for arborists, and presentations for grower and professional organizations, horticultural clubs, special interest groups, and students.

Eric "T" Fleisher is the director of horticulture at Battery Park City Parks Conservancy (BPCPC) in lower Manhattan. A national leader in the field of sustainable horticulture, Mr. Fleisher has brought this 37-acre oasis of parkland on the Hudson River to the forefront as the only public garden space in New York City to be maintained completely organically. His methods are based on the development of balanced soil ecology, with an emphasis on composting, water conservation, and the use of nontoxic means of pest and disease control. A frequent lecturer on sustainable practices, Mr. Fleisher also serves as a consultant to Harvard University, the Rose F. Kennedy Greenway Conservancy in Boston, and Bowdoin College, among other organizations. A 2008 Loeb Fellow at Harvard University, Mr. Fleisher is continuing to develop protocols to help landscapes recover from the 20th century's chemical interventions.

Toby Hemenway is the author of the first major North American book on permaculture, *Gaia's Garden: A Guide to Home-Scale Permaculture*, and an adjunct professor at Portland State University. He is also Scholar in Residence at Pacific University. After obtaining a degree in biology from Tufts University, Mr. Hemenway worked for many years as a researcher in genetics and immunology, first in academic laboratories including Harvard and the University of Washington in Seattle, and then at Immunex, a major medical biotech company. At about the time he was growing dissatisfied with the direction biotechnology was taking, he discovered permaculture, a design approach based on ecological principles that creates sustainable landscapes, homes, and workplaces. A career change followed, and Mr. Hemenway and his wife spent ten years creating a rural permaculture site in southern Oregon. He was associate editor of *Permaculture Activist*, a journal of ecological design and sustainable culture, from 1999 to 2004. His current project is developing urban sustainability resources in Portland, Oregon, where he now lives. He teaches permaculture and consults and lectures on ecological design throughout the country. His writing has appeared in magazines such as *Whole Earth Review*, *Natural Home*, and *Kitchen Gardener*.

Paul Iorio is an environmental engineer and educator. Over the past 15 years he has completed several hundred assessments of environmentally impaired properties and provided remedial response actions. These activities included soil and groundwater testing and contaminant delineation, as well as remedial system design incorporating principles of biological

(bioremediation) and plant (phytoremediation) to achieve "cleanup" goals. Prior to this time, Mr. Iorio was an independent landscape contractor and greenhouse grower/operator.

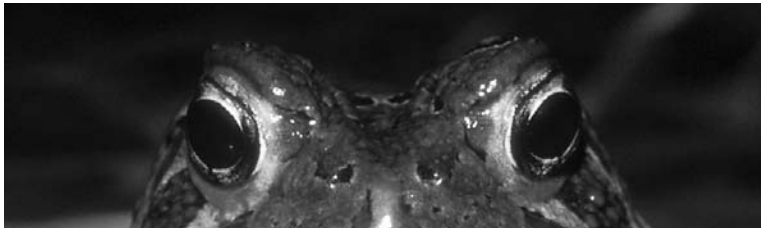
Frank Koll established GreenScapes Lawn & Garden Services Inc after several decades in high technology sales and sales management. His goal was to help the environmental and conservation efforts in water and pesticide free landscaping services, and he now focuses on organic land care and water conservation. He recognizes that water is a valuable resource and believes water management professionals should ensure watering systems are efficient and leveraging smart watering technologies. As an EPA WaterSense Partner (based on certifications as a Landscape Irrigation Auditor and Irrigation System Installation and Maintenance Professional), Mr. Koll's focus is on providing clients with detailed recommendations on efficiencies and /or retrofits to systems for achieving savings in cost and resources, whether through system analysis or audits, installation of low flow irrigation or rain-water systems, storm water management, or all of the above. As a NOFA accredited organic land care professional, Mr. Koll also promotes the delivery of alternatives to traditional approaches for turf management using organic materials (fertilizers and nutrients), compost teas, and drought tolerant / low maintenance groundcovers to reduce water use in the landscape.

Christine Markham is the National Director for the Asian Longhorned Beetle (ALB) Eradication Program with USDA, Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ). She is based out of the Eastern Regional office for APHIS in Raleigh, NC. As National Director, Ms. Markham is responsible for the ALB Eradication Programs within the United States inclusive of New York, New Jersey, and Massachusetts.

Tara Mitchell is a landscape architect with Massachusetts Department of Transportation. Her responsibilities include design, design review, and construction services for landscape restoration on transportation projects, including upland restoration as well as wetland and stream bank mitigation. As part of her work, she is involved in developing strategies for management of invasive species from design through long-term maintenance.

Bruce Morton is director of environmental studies programs at Goodwin College, East Hartford, CT.

Continued on next page.



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SPEAKER BIOGRAPHIES (continued)

Marybeth Murphy is a Senior Landscape Architect with BSC Group. She has over 25 years of experience in the areas of landscape architecture, urban design, and planning. She has extensive experience in park planning, streetscape, transportation and institutional design, public participation, construction documentation, construction administration, and project management and implementation. Ms. Murphy is a Registered Landscape Architect in Massachusetts and a LEED Accredited Professional. She has been involved in implementation of low impact development and sustainable design principles on projects of various sizes and types from suburban parks to urban streetscapes.

Kathryn Prybylski is Project Manager at Groundwork Lawrence (GWL), a non-profit organization which leads and supports a variety of partnership-driven efforts that bring together the public, private, and non-profit sectors to solve complex environmental problems and sustain a long-term vision for neighborhood change and renewal. In this capacity, she is responsible for coordination with contractors and professionals involved in a variety of landscape and infrastructure improvements throughout the City of Lawrence, including the 1.5 mile Riverwalk, Spicket River Greenway, and the new Manchester Street Park. She is overseeing GWL's expanding role in supporting low-impact development (LID) practices in the city and the City of Lawrence Open Space Plan update. Ms. Prybylski most recently worked as a Project Engineer for Environmental Partners Group in Quincy, MA designing infrastructure improvements for public and private entities on the South Shore and Cape Cod. Previously she served for four years as a Civil Engineer for the Town of Ithaca, where she oversaw enforcement of erosion control practices at construction sites within the Town as well as site design for public works improvements. Ms. Prybylski holds a B.S. in Agricultural and Biological Engineering with an Environmental Engineering Concentration from Cornell University.

Dominic Rinaldi is a project manager and senior civil engineer with BSC Group's site design group where he is responsible for managing and designing multi-disciplinary land development projects in both the public and private sectors. He has an extensive background in storm water management with a focus on low impact development and sustained storm water design. He is a Registered Professional Engineer in Massachusetts, a LEED Accredited Professional, and a member of the U.S. Green Building Council Massachusetts Membership Forum's Advocacy

Committee. Mr. Rinaldi was awarded the Boston Society of Civil Engineers Section (BSCES) Technical Group Award for his part in the presentation "Case Studies on Leadership in Energy and Environmental Design (LEED) Projects – Sustainable Sites".

Amanda Sloan is a landscape designer specializing in planting design, sustainable techniques, and residential landscapes with Gates, Leighton and Associates Landscape Architects (GLA). An environmentalist, she is a board member of the Community Design Resource Center of Boston and the Sharon, Massachusetts Planning Board. Formerly with Julie Moir Messervy and Associates Landscape Design Consultants, she has 15 years of experience in the practice of landscape design. Gates, Leighton and Associates Landscape Architects, established in 1985, is the largest landscape architectural firm in Rhode Island. The firm also has offices in Boothbay, Maine, and Cairo, Egypt. GLA's expertise encompasses design for public and institutional landscapes such as parks, libraries, schools, museums, and places of worship; residential properties large and small with an emphasis on coastal gardens; and commercial landscapes. GLA's senior staff includes a LEED Accredited Professional, and the firm is a member of the US Green Building Council.

Dr. Kimberly A. Stoner has been the vegetable entomologist at the Connecticut Agricultural Experiment Station in New Haven since 1987. She has conducted research on plant resistance to insects, cultural methods of insect management, and biological control. Her current research focuses on measuring pesticides in pollen and nectar and determining effects on pollinators. She has served on the Board of Directors of the Northeast Organic Farming Association of Connecticut from 1990 to the present, and she serves on the committee governing the NOFA Organic Land Care Program in Connecticut and Massachusetts. In 2001, Dr. Stoner won the Person of the Year award at the seven-state regional Summer Conference of NOFA, and in 2002, she won a Green Circle award from the Connecticut Department of Environmental Protection. In 2009, she was honored as the Outstanding Partner in Natural Resource Conservation in New Haven County by the Southwest Conservation District. From 1986 to 1987, she held a Science, Engineering and Diplomacy Fellowship at the U.S. Agency for International Development. She earned her Ph.D. in entomology from Cornell University in 1987, and her B.S. in zoology from Duke University in 1979.

Eric Toensmeier is the award-winning author of *Perennial Vegetables* and co-author of *Edible Forest Gardens*. An expert on the useful perennial crops of the world, he has taught about permaculture and perennial food production systems in multiple languages and countries. His urban homestead is a model of how to apply permaculture to a small space with poor soils. Mr. Toensmeier also ran the Tierra de Oportunidades urban farm project for Nuestras Raices in Holyoke, MA.

Kate Venturini manages the Coastal Landscapes Program at the Mallon Outreach Center at the University of Rhode Island (URI). The Coastal Landscapes Program is a partnership between the RI Coastal Resources Management Council and URI aimed at educating green industry professionals and homeowners working and living in coastal areas about coastal issues including landscape site assessment, invasive plant management, storm water management, habitat restoration, and landscaping with native plants. Ms. Venturini is currently writing a Native Plant Design Manual for Greenwich Bay to be published in the Spring of 2010. She earned her Bachelor's degree in Landscape Architecture from URI in 2006, and is currently working on earning her Master's degree in Marine Affairs from URI.

Dr. Robert Wick is currently a Professor in the Department of Plant Soil and Insect Sciences at University of Massachusetts Amherst. He has worked in extension and diagnostic plant pathology for 30 years, primarily with vegetables, ornamentals, and turf grasses. Dr. Wick has taught courses in Turf grass Pathology, Biological Control, and Nematology, and currently teaches Plant Pathology, Diagnostic Plant Pathology, Mycology, and Forest Pathology.



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