

Day One, Tuesday, August 11

- 9:00am** Welcome—*Meghan Fellows, President, Mid-Atlantic Exotic Pest Plant Council*
- 9:10am** Opening Remarks—*U.S. Representative John P. Murtha, Pennsylvania Congressman, 12th District*
- 9:20am** Keynote: Ecological Thresholds, Multiple Stressors, and Timing: Teasing Apart the Complexities Behind Invasive Plant Establishment and Spread—*Cynthia Huebner, Ph.D., Research Botanist/Ecologist, USDA Forest Service Northern Research Station*
- 10:20am** Break
- 10:40am** The Impact of Deer on Ecosystems White-tailed Deer as Agents of Change*—*Kip Adams, Certified Wildlife Biologist, Quality Deer Management Association*
- 11:05 am** Deer and the Effects of Natural Disturbance and Invasive Interactions—*John Snitzer, Graduate Research Assistant, Hood College*
- 11:35am** Beyond Browsing: Overabundant Deer Suppress Unpalatable Natives and Facilitate Invasive Species Success in Forests—*Susan Kalisz, Ph.D., Professor of Biology, Department of Biological Science, University of Pittsburgh*
- 12:15pm** Lunch
- 1:15pm** Anthropological and Ecological Aspects of Plant Distributions: How Medicinal and Culinary Herbs Become Invasive—*Sunshine Brosi, Ph.D., Department of Biology, Frostburg State University*
- 1:35pm** Addressing Invasive Species as Part of Stream Restoration Projects: Japanese Knotweed and the Princeton Creek Restoration—*Robert Siegfried, Restoration Practice Leader, Whitman, Requardt & Associates, LLP*
- 2:00pm** Using the Invasive Species Mapping System for the Mid-Atlantic States—*Chuck Barger, Information Technology Director, Center for Invasive Species and Ecosystem Health, The University of Georgia*
- 3:00pm** Spatial Approaches to Modeling Dispersion: An Epidemiology Example—*Ling Bian, Ph.D., Professor, Department of Geography, University at Buffalo, State University of New York*
- 3:30pm** Invasive Species Landscape Model: Predicting Vulnerability of Areas to Invasiveness—*Michael Strager, Ph.D. Assistant Professor, Davis College of Agriculture, Forestry and Consumer Science, West Virginia University*



Photo: Jan Samanek, invasive.org

- 3:45pm** Break
- 4:00pm** Mitigating the Invasive Risk Potential of Biofuel Crops—*Jacob Barney, Ph.D., Postdoctoral Scholar, University of California, Department of Plant Sciences*
- 5:00pm** Adjourn
- 6:30pm** Join us for a buffet dinner and rooftop native pant garden tour at the Johnstown Discovery Center. Cash bar available. **There is a separate fee and check-off on your registration form.**

Day Two, Wednesday, August 12

- 8:30am** Mid-Atlantic Exotic Pest Plant Council Business Meeting
- 9:30am** Welcome—*Gregg Robertson, President, Pennsylvania Landscape and Nursery Association*
- 9:45am** Remove, Reboot, Reflect: The Three R's of Why Invasive Species Control is Restoration—*Mary Travaglini, Potomac Gorge Habitat Restoration Manager, The Nature Conservancy of MD/DC*
- 10:15am** Break

Track One: Planning and Control Strategies

- 10:30am** More than an Inventory—Prioritizing Treatment Sites with Limited Resources—*Kevin Heatley, Vice President, Biohabitats Invasive Species Management, Inc.*
- 10:50am** Hiring a Firm to Control Invasive Species: How to Write an Effective Business Contract—*Steve Manning, Owner, Invasive Plant Control*
- 11:10am** Establishing and Enforcing a “Do-Not-Plant List” Within a Homeowners Association-governed Community—*Laura Etchison, CMCA, AMS, On-Site Community Manager, Lorna Patrick, Grounds Committee Member, Villages of Urbana*
- 11:30am** Central Jersey Invasive Species Strike Team—*Michael Van Clef, Ph.D., President, Ecological Solutions, LLC*
- 11:50am** Using WIMS Mapping Software to Record and Track Treatments—*Mary Travaglini and Jamie Weaver, The Nature Conservancy of MD/DC*
- 12:10pm** Wavy Leaf Success Story: Volunteers, Outreach, Results—*Marc Imlay, Ph.D., Conservation Biologist, Anacostia Watershed Society*

Track Two: Complex Ecological Relationships

- 10:30am** Managing Japanese Barberry Infestations Reduces Blacklegged Tick Abundance and Infection Prevalence with *Borrelia burgdorferi*—*Scott C. Williams, Assistant Agricultural Scientist, Department of Forestry and Horticulture, Connecticut Agriculture Experiment Station*
- 11:00am** BioControl for Tree of Heaven*—*Donald D. Davis, Ph. D., Professor of Plant Pathology, Pennsylvania State University*
- 11:30am** An Overview of the National Invasive Species Council and Invasive Species under the Current Administration—*Chris Dionigi, Ph.D., Assistant Director for Domestic Policy, Science, and Cooperation, National Invasive Species Council (NISC)*
- 11:50am** Q: How Can You Tell a Cultivar from a Native Plant? A: Pull Down Their Genes—*William E. Young, RLA, PWS, President, Young Environmental, LLC*

Track Three: Local Diversity and Invasive Plants

- 10:30am** Field Experience: Looking at the Campus' Invasive Plants and Natural Diversity—*Bruce Robart, Ph.D., Biology Professor, University of Pittsburgh,—limited sign-up, reservations required*
- 12:30pm** Lunch
- 1:45pm** Potential for Synergy between White-tailed Deer Herbivory and Invasive Plant Species in Mature Deciduous Forests—*William J. McShea, Ph.D., Wildlife Ecologist and Norm Bourg, Ph.D., Plant Ecologist, Conservation Ecology Center, Smithsonian Institution, National Zoological Park*
- 2:15pm** Fire Management as a Tool in Invasive Plant Management—*David McNaughton, Assistant Wildlife Manager, Fort Indiantown Gap*
- 2:45pm** Break
- 3:00pm** The Effect of Climate Change on Invasive Plants—*Lewis Ziska, Ph.D., Plant Physiologist, Agricultural Research Services, U.S. Department of Agriculture, Beltsville, MD*
- 4:00pm** Closing Remarks and Adjourn by the new President of Mid-Atlantic Exotic Pest Plant Council

Registration Form

Complicating Factors in Invasive Plant Management August 11 & 12, 2009

Register online at www.morrisarboretum.org
Click on Education and Seminars

Name _____

Title _____

Organization _____

Address _____

Phone _____

Email _____

Fee: \$185 (For two days) \$100 (For one day)
Student Fee: \$95 (For two days) \$45 (For one day)
Mark One: Tuesday Wednesday both days
Fee includes one-year membership in MA-EPPC.
Optional Dinner and Tour: \$20
Total Fee: _____

I want to attend the Field Experience on Day Two.

Please make checks payable to: Morris Arboretum
Mail to: Morris Arboretum - Education Department
100 Northwestern Avenue, Philadelphia, PA 19118
Or fax to: 215.247.7862

CVC # _____
 Mastercard Visa Discover Amex Exp. Date _____

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Overnight rooms with two single beds on campus are \$40 per night. To book accommodations contact 1.800.875.5958 or kragley@pitt.edu.

Phone-in registrations are accepted only when a credit card is used. Contact the Morris Arboretum Education Department 215.247.5777, ext. 156 or 125 or jlmd@exchange.upenn.edu with questions or to sign up.

Directions will be sent with confirmation. Cancellations received by July 25 will be fully refunded less a \$25 processing fee.

To schedule a lunch time working group meeting, contact jlmd@exchange.upenn.edu.

Sessions with * offer credit from the Pennsylvania Department of Agriculture toward pesticide applicators' certification.

CEUs available for PA landscape architects.

Complicating Factors in Invasive Plant Management:

Circumstances Beyond Our Control?

Managing non-native invasive species to mitigate the threat to the world's biological diversity is getting more challenging. Our quality of life depends on the health of our natural resources, but limited funding, human development, introduction of new species and complicated species interactions combine to make the job tough. In this seventh Mid-Atlantic conference attendees will not only obtain useful background on the issues surrounding this biological problem but will also learn:

Thresholds for action

Tools for effective and efficient removal

What the new administration has done and plans to do to control invasive plants.

How deer make our job three times as hard

Get the most from your volunteer program

Techniques for preventing non-native plant colonization

Who Should Attend:

- Nursery and landscape professionals
- Natural resource specialists
- Managers of parks, preserves and conservation districts
- Invasive plant management and restoration specialists
- Extension agents, environmental educators and garden and outdoor writers
- Public and botanical garden managers and supervisors
- Researchers, students and gardeners
- Golf course and Recreational Land Managers
- Volunteers who want to know more

Special Thanks To:

- Foundation for Pennsylvania Watersheds;
- Invasive Plant Control, Inc.; Maryland Native Plant Society; National Park Service, Exotic Plant Management Teams: Northeast, National Capital Region and Mid-Atlantic; U.S.D.A. Forest Service

Photo: Steve Manning, Invasive Plant Control, Invasive.org



Invasive Plants



Morris Arboretum of the
University of Pennsylvania
Official arboretum of the Commonwealth of Pennsylvania
100 East Northwestern Avenue
Philadelphia, PA 19118



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August 11 and 12, 2009
to be held at the
University of Pittsburgh
at Johnstown, PA