

Invasive Plant Symposium 2018

INVASIVE PLANTS IN UNCERTAIN TIMES: Achieving More with Less

Connecticut Invasive Plant Working Group
cipwg.uconn.edu

University of Connecticut, Storrs, CT
Thursday, October 4, 2018

PROGRAM

Speakers, Exhibits, Co-Sponsors



INVASIVE PLANTS IN UNCERTAIN TIMES: Achieving More With Less

Connecticut Invasive Plant Working Group (CIPWG)
October 4, 2018

Talks will take place in the Theatre except as noted.

8:00 Check-in and Refreshments: Posters and exhibits will be on display throughout the day.

9:00 Greetings and Orientation: Donna Ellis, UConn, CIPWG Co-Chair, and Lindsay Suhr, Connecticut Forest and Park Association, 2018 Symposium Planning Committee Chair

9:15 Leslie J. Mehrhoff Award: Presented by Olga Mehrhoff

9:30 Keynote Address: *Raising the Bar on Sustainability: Transcending The Gardener*
Judy Preston, Long Island Sound Outreach Program Coordinator, Connecticut Sea Grant, UConn Avery Point

10:30 BREAK: Posters and exhibits on display.

11:00 General Session: *Connecticut's Invasive Plant Management Calendar: "The Top 10 Invasive Plants"*
Emmett Varricchio, CIPWG

11:45 Welcome and Remarks: Cameron Faustman, Interim Dean & Director, UConn College of Agriculture, Health and Natural Resources

12:00 LUNCH

1:00 Concurrent Sessions 1 through 3

Session 1 (Theatre)

Introduction to Invasive
Plant Management

Session 2 (Ballroom 330)

Innovative Invasive Plant
Technologies

Session 3 (Room 304B)

Native Alternatives: Why and
How to Use Them

2:15 BREAK: Refreshments, view posters, move to next session

2:40 Concurrent Sessions 4 through 6

Session 4 (Theatre)

Advanced Invasive Plant
Management

Session 5 (Room 304B)

The Nursery Industry and
Non-Invasive Alternatives

Session 6 (Ballroom 330)

Early Detection and Invasive
Plant Risk Assessment

3:55 Closing Remarks: Anne Rowlands, Connecticut Gardener Magazine

4:15 Door Prizes

4:30 Adjournment

Invasive Plant Symposium 2018

INVASIVE PLANTS IN UNCERTAIN TIMES: Achieving More With Less



Connecticut Invasive Plant Working Group (CIPWG)

October 4, 2018

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Speaker contact information starts on page 11.

8:00 Check-in and Refreshments: Posters and exhibits will be on display throughout the day.

9:00 Greetings and Orientation:

Donna Ellis, UConn, CIPWG Co-chair, and **Lindsay Suhr**, Connecticut Forest and Park Association, 2018 Symposium Planning Chair

9:15 Leslie J. Mehrhoff Award: Presented by Olga Mehrhoff

9:30 Keynote Address: *Raising the Bar on Sustainability: Transcending the Gardener*

Judy Preston, Long Island Sound Outreach Program Coordinator, Connecticut Sea Grant, UConn Avery Point

Abstract: The imperative to stem the establishment and spread of nonnative invasive plant species has many pathways. A powerful tool to address this issue is the growing revolution of informed garden and landscape practitioners, both professional and amateur, who are seeing an important role for native plants and ecological principles to address timely environmental concerns. Entomologist and native plant advocate, Doug Tallamy, aptly states: “For the first time in history, gardens have taken on a role that transcends the gardener.” Whether you are a weekend gardener, landscape professional, or in the environmental field, the intersection of invasive plants, native plants, and ecological management is relevant to a sustainable Connecticut landscape.

Biography: **Judy Preston** does public engagement and education for the Long Island Sound Study at the Connecticut Sea Grant office. In partnership with UConn’s Master Gardener program she developed the Coastal Certificate, designed to teach sustainable gardening focused on water quality. Judy has worked in the for-profit sector as a geologist in the non-profit sector for the Nature Conservancy, and as Director of Tidewater Institute doing community-based conservation in the Connecticut River estuary. She taught environmental science and landscape ecology for eight years as an adjunct faculty member at Three Rivers Community College. She has degrees in geology (BA Skidmore); botany (MS, Field Naturalist Program, UVM); and Environmental Management (MEM, Yale FES).

10:30 BREAK: Posters and exhibits on display.

11:00 General Session: *Connecticut's Invasive Plant Management Calendar: "The Top 10 Invasive Plants"*

Emmett Varricchio, CIPWG

Abstract: Timing is critical to invasive plant management. This presentation aims to provide a guide for when and how to manage the "Top 10 Invasive Plants" as identified by the attendees of the 2016 CIPWG Symposium. This presentation relied heavily on the feedback from Connecticut's invasive plant managers and researchers, as well as a review of scientific literature. This is the first iteration of an Invasive Plant Management Calendar for Connecticut and will be updated for more invasive plant species in the future. The goal of this project is to give all those involved in invasive plant management a tool for best management practices when it comes to the timing for invasive plant control. This presentation augments the 1-page invasive plant management calendar included in the 2018 symposium packets.

Biography: **Emmett Varricchio** is a graduate of Central Connecticut State University where he received his BS in Biology in 2014. He worked at the Connecticut Agricultural Experiment Station (CAES) from 2014 through 2018. At CAES he worked primarily on the Mile-a-Minute Biological Control program and implementation. He gave a talk on the program at the 2016 CIPWG Symposium. He currently works as a researcher for a private company. He is an active member of CIPWG and serves on both the Steering Committee and the Symposium Planning Committee. In his spare time Emmett enjoys photography, writing, hiking, and enjoying nature. He also conducts independent research on various topics; entomology, botany, and climate. He hopes to pursue his PhD in the coming year with an emphasis on Invasive Plants, once he finds the right university and mentor.

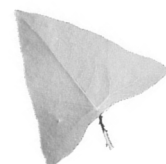
11:45 Welcome and Remarks:

Cameron Faustman, Interim Dean & Director, UConn College of Agriculture, Health and Natural Resources

Biography: **Cameron Faustman**, a faculty member in the University of Connecticut's Department of Animal Science since 1989, is currently also the Interim Dean and Director of the UConn College of Agriculture, Health and Natural Resources, where he further has served as Associate Dean for Academic Programs since 2005. Earlier, he headed the Animal Science Department and, for seven years beginning 2010, was Associate Dean for Research. At UConn, he has taught meat and food science classes, performed research, and contributed to extension programs in HACCP and food safety. His teaching program has included courses in animal-based food products, food chemistry, meat processing, food safety, and an introductory food science class. He has worked with colleagues on two different projects funded by the USDA Challenge Grants program. He was recognized with the University of Connecticut's highest teaching recognition, Teaching Fellow, in 1995, and was recognized in 1999 as an Eastern Region awardee by the USDA National Excellence in Teaching program. His research has focused on the oxidative interactions between lipid and myoglobin in food and their practical implications for the fresh meat industry. To date, he has published more than 160 journal articles, book chapters, conference proceedings and abstracts, and has co-edited one book. He has garnered more than \$3.5 million in extramural funds. In 2010, the Institute of Food Technologists recognized his research accomplishments with the Stephen Chang Award.

12:00 LUNCH

1:00 Concurrent Sessions 1 through 3



1:00 – 2:15 Concurrent Sessions 1 through 3

Session 1 (Theatre) **PANEL - Introduction to Invasive Plant Management**

Moderator: Lindsay Suhr, Land Conservation Director, Connecticut Forest & Park Association

Panelists: Jeffrey Ward, *The Connecticut Agricultural Experiment Station*; Michael Nadeau, *Wholistic Landcare Consulting, LLC* and Chris Polatin, *Land Stewardship, Inc.*

Panelists will be prepared to discuss wide-ranging aspects of invasive plant management for beginners and those interested in understanding a broad picture of what invasive management entails. Topics covered may include site evaluation (mapping, prioritization), the timing and choice of management techniques (including both non-chemical and herbicide treatments), herbicide pointers (personal safety, proper use of chemicals), record-keeping, issues with deer browsing, and follow-up (monitoring and revegetation). Following brief presentations by the panelists, attendees will be encouraged to share their own experiences with the group during a Q&A session.

PANELIST INFORMATION:

Jeffrey Ward, Chief Scientist, The Connecticut Agricultural Experiment Station

Abstract: Invasive Management Options. This talk will provide an overview of invasive management including biological, mechanical, fire, and chemical treatments. The importance of matching the treatment to the invasive species / species complex present, use of personal protective equipment, and essentialness of limiting deer browsing to achieve management goals will be covered.

Biography: Jeffrey S. Ward, Ph.D. received his BS (forest biology) and MS (silviculture) at The Ohio State University, and after service in the Peace Corps (Guatemala), his PhD (forest ecology) at Purdue University. He is Chief Scientist-Department of Forestry and Horticulture at The Connecticut Agricultural Experiment Station. His research has focused on the dynamics of long-term herbaceous and tree populations, invasive species control, and forest management. He is Immediate Past Chair of New England Society of American Foresters (NESAF), secretary of the CT Tree Protection Examination Board, and an advisor to Audubon CT. He was a past president of the CT Tree Protective Association and Forest Science Coordinator for NESAF.

Michael Nadeau, Consultant. Owner, Wholistic Landcare Consulting, LLC

Abstract: Control of Invasives Without Synthetic Herbicides. The presentation will cover some possible hazards associated with the use and overuse of synthetic herbicides; when and why organic methods can be the best choice; ecological thinking and how to discover and exploit the Achilles' Heel of some invasive plants; and methods and materials that work.

Michael Nadeau began landscaping and treework at age 12 and has continued his education about the natural world for over 50 years. He is a CT-licensed Arborist and Custom Grounds Supervisor (since 1973) who has worked all phases of landscaping and treework, including applying lots of synthetic pesticides. He founded Plantscapes, Inc, a Fairfield-based landscape and tree business in 1981, developed a change of heart about conventional thinking and began a metamorphosis toward an ecological mindset, gradually changing his business practices to 100% organic. In 1999, he co-founded the Organic Land Care Program, part of CT/MA Chapters of the Northeast Organic Farming Association. He developed and teaches the NOFA Organic Land Care Course nationally.

Session 1 (Theatre) **PANEL - Introduction to Invasive Plant Management** -continued

Chris Polatin, Restoration Ecologist, Land Stewardship, Inc.

Abstract: Elements of a Successful Invasive Plant Management Project. Chris Polatin will discuss elements of a successful project from a landowner and contractor perspective. Topics will include mapping, prioritization, integrating management techniques, judicious use of herbicides, monitoring, record keeping and revegetation.

Biography: Chris Polatin is an exuberant ecological restoration practitioner who regularly manages invasive plants through his companies, Polatin Ecological Services and Land Stewardship, Inc. He has a BA in Environmental Studies (conservation science & natural history) and an MS in Conservation Biology (Antioch University New England). He is a Certified Ecological Restoration Practitioner through the Society for Ecological Restoration (SER). Chris co-chairs the Gill Conservation Commission (Massachusetts), serves as a board member for Friends of the Fannie Stebbins Wildlife Refuge (Longmeadow, MA), serves as Massachusetts director for SER – New England and chairs the Certification Committee for SER.

Session 2 (Ballroom 330) – **Innovative Invasive Plant Technologies**

Moderator: David Laiuppa, Environmental Planner; Owner, Wintonbury Farm

A. Using Temporal Signatures, RGB Imagery, Deep Learning, Plant Modeling, and Unpiloted Aerial Systems (UAS) to Map the Distribution of Understory Invasive Species in the Temperate Deciduous Forest

Nancy Marek, PhD Student, University of Connecticut

Abstract: Accurate invasive species occurrence maps would allow natural resource professionals to monitor invasive plants more effectively. This study is being conducted to determine whether Unpiloted Aerial Systems (UAS) equipped with a simple camera (RGB sensor) can be used to accurately map the spatial distribution of the invasive non-native shrub species, Japanese barberry (*Berberis thunbergii*) and multiflora rose (*Rosa multiflora*), in temperate deciduous forest understories in Connecticut. The results from this research will contribute to new insights into remote sensing with UAS using RGB imagery for identification and mapping of understory invasive species.

Biography: Nancy Marek received the B.A. degree in biology from Mount Holyoke College, South Hadley, MA, and the M.F.S. degree from the Yale School of Forestry and Environmental Studies, New Haven, CT. She is currently a third-year Ph.D. student at the University of Connecticut, Storrs. Her research centers on developing remote sensing techniques for forestry applications with RGB imagery and object-based image analysis. Her current focus is using unpiloted aerial systems imagery for mapping and monitoring invasive non-native plants in the deciduous forest understory.

Session 2 (Ballroom 330) – *Innovative Invasive Plant Technologies* - *continued*

B. *Inspire, Engage, and Inform with Story Maps*

Katherine Blake, Bird-friendly Communities Manager, Audubon Connecticut

Abstract: Story maps are a fun and engaging tool with many applications including outreach and education. Story maps are a web application created in ArcGIS that uses maps, pictures, text, and video to create a story. What story do you want to tell about your organization, programs, or conservation work? You do not need to be a GIS expert to create a story map. Katie will share a few simple story maps and discuss options and resources available to you to create your own. Katie will also share connections on how to use story maps to track, monitor, and map invasive plants.

Biography: **Katherine Blake** is the Bird-friendly Communities Manager for Audubon Connecticut. She manages Audubon's Urban Oases, Schoolyard Habitat and Plants for Birds Programs. She works with numerous and diverse partners on urban restorations projects at Connecticut schools, parks and other urban green spaces. She travels widely across the state educating people on the benefits of bird-friendly landscaping. Katie began her work with birds in graduate school and for about a decade studied bird populations throughout the northeast U.S. and Central and South America on various research expeditions. Katie has a Master's in Conservation Biology from Antioch University New England and a B.A. in Environmental Studies from Mount Holyoke College.

C. *Tools of the Trade: Invasive Plant Technologies*

Michael Van Clef, Program Director, New Jersey Invasive Species Strike Team

Abstract: The presentation will cover invasive species field mapping technologies including EDDMapS (website) and Outsmart Invasives (phone app). We'll cover the basic 'How To' tutorials on their use and the reports that one can generate to look at population distributions. The value of these tools for setting control priorities from local to state levels will be discussed.

Biography: **Mike Van Clef** has a Ph.D. in ecology and over 25 years of experience working on the stewardship of rare and invasive plant species, white-tailed deer management, forest and grassland restorations, ecological health monitoring and natural resource policy. Mike prepared the "New Jersey Strategic Management Plan for Invasive Species", serves on the Hopewell Township Deer Management Advisory Committee, acts as the Stewardship Director for Friends of Hopewell Valley Open Space and was a founder of the New Jersey Invasive Species Strike Team.

Session 3 (Room 304B) – *Native Alternatives: Why and How to Use Them*

Moderator: Charlotte Pyle, Landscape Ecologist and CIPWG Co-Chair

A. *Wildlife and Native Plants are Inextricably Linked*

Peter Picone, Wildlife Biologist, State Of Connecticut, Department of Energy and Environmental Protection

Abstract: This talk will emphasize that native plants provide necessary seasonal food and cover components for a variety of wildlife species. Although invasive non-native plants provide some food and cover value, overall they diminish the biological diversity of a property by displacing the native plants. Video documentation of native plant and wildlife interactions will be used in this talk to help reinforce the inextricable link between plants and wildlife. The author will share examples of enhancing and managing habitats on both state and private properties in Connecticut.

Biography: **Peter Picone** is a Wildlife Biologist for the Connecticut Department of Energy and Environmental Protection's Wildlife Division at the Sessions Woods Wildlife Management Area in Burlington, CT. He is a graduate of the University of Connecticut's College of Agriculture and Natural Resources (Bachelor of Science in Renewable Natural Resources). He has over 25 years of experience working in the field of wildlife management. He provides technical assistance regarding habitat enhancement, invasive non-native plants management, use of native plants for habitat enhancement, beaver management and nuisance wildlife control, and plans and directs the management of wildlife management areas in the western district of Connecticut.

B. *Restoring Connecticut's Landscapes*

Lisa Turoczi, Co-Owner, Earth Tones Native Plant Nursery and Landscapes

Abstract: The landscape industry has had a tremendous impact on plant palettes that we see today in backyards or while on nature hikes. Many of these spaces contain non-native invasive plants that are upsetting the ecological balance. I have been part of this landscape industry for over 30 years and was initially taught a plant palette that now I call the enemy. For the last 25 years, I have focused on education about the importance of native plants and the harm that invasive plants cause as well as the design and installation of healthy native outdoor spaces. Join me as I explore four different projects and the different approaches we took towards each, from invasive removal to final native plant installation.

Biography: **Lisa Turoczi** is co-owner of Earth Tones Native Plant Nursery and Landscapes, a nursery dedicated to providing locally grown native plants. She holds a Bachelor's degree in Landscape Architecture from SUNY Environmental Science & Forestry in Syracuse, NY. She and her husband have been in the design/build industry for over thirty years. The lack of organically grown native plant material offered to the landscape industry in Connecticut prompted them to start Earth Tones 18 years ago.

2:15 BREAK: Refreshments; view posters, move to Sessions 4, 5, or 6.

2:40 - 3:55 Concurrent Sessions 4 through 6

Session 4 (Theatre) - *Advanced Invasive Plant Management*

Moderator: Lindsay Suhr, Land Conservation Director, Connecticut Forest and Park Association

Advanced Invasive Plant Management

David Gumbart, Director of Land Management, The Nature Conservancy
and

Chris Polatin, Restoration Ecologist, Land Stewardship, Inc.

Abstract: The two presenters will discuss management planning and implementation for Japanese stilt grass (*Microstegium vimineum*), Japanese knotweed (*Polygonum cuspidatum*), Japanese barberry (*Berberis thunbergii*) and other woody species. This will include the life cycle of the plants, why these plants may merit control efforts (prioritization) and how to go about control that can yield positive results. Through their combined years of invasive plant management, the presenters will offer best management practices, what may not work and how to initiate and maintain a multi-year control program. Following the presentation, attendees will be encouraged to share their own experiences with the group during a brief Q&A session.

Biography: **David Gumbart** is Director of Land Management at The Nature Conservancy's Connecticut Chapter. He oversees a portfolio of preserves and easements, totaling 30,000 acres. Habitat management is a priority, including invasive species control to improve Connecticut's most unique natural communities. David has been with the Conservancy for over 28 years, since 1990. Prior to joining the Conservancy, he was Branford's Wetlands Enforcement Officer, a Biologist's Assistant in DEEP's Wildlife Division and a Forestry Research Assistant with The Connecticut Agricultural Experiment Station. David resides in Killingworth, where he is a Past-President of the Lions Club and current President of the Land Conservation Trust.

Biography: **Chris Polatin:** See page 4.

Session 5 (Room 304B) – *PANEL – The Nursery Industry and Non-invasive Alternatives*

Moderator: Donna Ellis, UConn, CIPWG Co-Chair

Panelists: Darryl Newman, Planters' Choice Wholesale Nursery; Polly Weigand, Long Island Native Plant Initiative; David Anderson, New England Wetland Plants, Inc.; and Mark Brand, UConn.

PANELIST INFORMATION:

Darryl Newman, Principal, Planters' Choice Wholesale Nursery

Abstract: Darryl will talk about basic nursery production principles and then will cover non-invasive alternatives of plants popular with the public, both native and exotic.

Biography: Darryl Newman is a University of Maryland graduate with a degree in Landscape Management. He stayed in the Washington, DC Metro area after school for four years, working for two prominent Landscape Design/Build Firms as a project manager. He returned to Planters' Choice in 2004, and runs the business with his father, founder Chuck Newman. Darryl is a past president of the Connecticut Nursery and Landscape Association and the 2008 New England Nursery Association Young Professional of the Year.

Polly Weigand, Central Pine Barrens Joint Planning and Policy Commission (CPBC), Science and Stewardship Program Manager; and Long Island Native Plant Initiative (LINPI), Executive Director

Abstract: Invasive Alternatives: Considerations in Sourcing Native Plant Materials. Genetically native plants, or ecotypes, are becoming more requested by the public and thus more readily available within the nursery and landscaping trade as alternatives to invasive species, as critical wildlife habitat, and as a means to reduce fertilizer and pesticide use. This presentation will highlight how the Long Island Native Plant Initiative serves as a regional resource in diversifying the commercial availability of ecotypic plant materials for use in local plant production, landscaping and restoration; and, it will showcase a variety of native plants to help increase the appreciation, availability and application of the region's most ecologically appropriate plant materials.

Biography: Polly Weigand holds an MS in Urban Ecology from Hofstra University and is the Science and Stewardship Program Manager for the Central Pine Barrens Joint Planning and Policy Commission (CPBC) in Westhampton Beach, NY, where she helps implement such ecological activities as prescribed fire, forest pest surveys and invasive species control. Polly also is the Executive Director of the Long Island Native Plant Initiative (LINPI), a non-profit which conducts wildland seed collection, banking, and propagation to provide ecologically appropriate native plant materials for commercial plant production, landscaping and restorations. LINPI also administers the Long Island Invasive Species Management Area to further protect ecosystems from degradation by invasive species.

David Anderson, President, New England Wetland Plants, Inc.

Abstract: How does a nursery propagate and grow over 200 "straight" species, and what are "straight" species? What is the value of these plants, why grow them, and what are they used for?

Biography: David Anderson is one of the owners of New England Wetland Plants, Inc. (NEWP), which is located in Amherst and Sunderland, MA. Both he and Graham Anderson manage and run the nursery. NEWP propagates and grows a large number of trees, shrubs and herbaceous plants primarily for wetland mitigation and conservation throughout the Northeast.

Session 5 (Room 304B) – *PANEL – The Nursery Industry and Non-invasive Alternatives - continued*

Mark Brand, Professor of Horticulture and Plant Breeding, UConn Department of Plant Science and Landscape Architecture

Abstract: Sterile Cultivars are Part of a Solution to Invasive Plants. This presentation will discuss sterile forms of invasive plants as one part of a solution to invasive ornamentals. It will try to answer 1) why do we want sterile forms of invasive plants, 2) what goes into the creation, testing and introduction of a sterile cultivar, 3) what are the impediments to the use of sterile forms and 4) what are the risks of using sterile cultivars and will they "revert"?

Biography: Mark Brand has a BS from Cornell University and MS and PhD from The Ohio State University in horticultural science. He is a full professor in the Department of Plant Science and Landscape Architecture at UConn and has been a faculty member there for 30 years. He is a plant breeder and has introduced over 25 cultivars of ornamentals, most of which are woody plants. He has been awarded 15 plant patents for cultivar introductions. He has spent close to 20 years studying invasive Japanese barberry and winged euonymus. He works with the nursery industry to help find solutions to the issues they are facing.

Session 6 (Ballroom 330) - *Early Detection and Invasive Plant Risk Assessment*

Moderator: Chris Donnelly, Urban Forestry Coordinator, DEEP Forestry

A. *Quantifying Risk in Early Detection of Invasive Species*

Henry Frye, Ph.D. Student, University of Connecticut, Department of Ecology and Evolutionary Biology

Abstract: In Connecticut, invasive plant statuses are determined by a council that uses nine yes or no criteria. This method of decision making is limited for several reasons: 1) It lacks measurable risk of whether or not a plant will become invasive, 2) Certainty and expertise of the individuals rating the criteria scores for each species are not considered, 3) Binary responses for each criteria may not aptly capture the true state of potentially invasive plants and 4) Little information has been shown that using all or some of these criteria is effective in accurately screening invasive species. In this talk, I will show different approaches to addressing these limitations to better informing decision-making.

Biography: Henry Frye received his BA (biology and economics) from Cornell University and MS (ecology and evolutionary biology) from University of Connecticut. He is currently a Ph.D. student in the Ecology and Evolutionary Biology Department at UConn researching plant ecology and remote sensing in South Africa. Additionally, he researches methods to quantify the likelihood of potential invasive species becoming invasive in Connecticut.

Session 6 (Ballroom 330) - *Early Detection and Invasive Plant Risk Assessment* - continued

B. *Invasive Plant Early Detection and Rapid Response: Notes from the Field*

Bryan Connolly, Assistant Professor of Biology, Framingham State University

Abstract: Early detection and rapid response is a strategy to remove new invasive species with minimal ecological impact, human effort, and cost. On the ground methods for detection and response will be discussed. On the detection side the topics of geographic scale, public education, reporting, and verification will be covered. While on the response side control methods, follow up, permitting, and stakeholder involvement will be considered.

Biography: **Bryan Connolly** holds a B.A. from the University of Vermont, and a M.S. and Ph.D. from the University of Connecticut. Previous to his appointment as an Assistant Professor at Framingham State University, he served as the Massachusetts State Botanist for the MA Division of Fisheries and Wildlife. Bryan also served as the volunteer coordinator for the Invasive Plant Atlas of New England (IPANE). He has consulted for the Guilford Land Trust and the CT DEEP. He has taught botany, plant science, and environmental studies classes at Connecticut College and the University of Connecticut. He is also a past President of the New England Botanical Club, and a co-recipient of the 2018 Fernald Award for the best paper in the journal *Rhodora*.

Closing Remarks and Door Prizes: Theatre

3:55 Closing Remarks: *Look Away ...*

Anne Rowlands, Publisher/business manager of Connecticut Gardener Magazine; member of CIPWG planning committee

Abstract: Are there solutions to the growing invasion of non-native plants? A quick look at beating back the invasion that no one seems (or wants) to see.

Biography: Anne Rowlands has been a plant geek since early childhood, and after a 40-year stint as administrator and fundraiser, has come back full circle to focus her passions of ecology, botany and biology. She and her husband, Will, publish a regional gardening magazine that reflects and illustrates their intense curiosity and delight in the natural world, while instructing readers in the art and science of living with the land in Southern New England.

4:15 Door Prizes

4:30 Adjournment



SPEAKER CONTACTS, CIPWG Invasive Plant Symposium, University of Connecticut, October 2018

Name	Affiliation	Email/Website	Phone
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Mark Brand Professor of Horticulture and Plant Breeding	UConn Department of Plant Science and Landscape Architecture	mark.brand@uconn.edu http://plantscience.uconn.edu/People/ Faculty/Brand.php	860-486-2930
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Peter Picone Wildlife Biologist	State of Connecticut, Department of Energy and Environmental Protection	peter.picone@ct.gov	860-424-3032
Chris Polatin Restoration Ecologist	Land Stewardship, Inc.	chris@landstewardshipinc.com www.landstewardshipinc.com	413-367-5292
Judy Preston Long Island Sound Outreach Program Coordinator	Connecticut Sea Grant, University of Connecticut Avery Point	judy.preston@uconn.edu	860-405-9303
Anne Rowlands Publisher/Business Manager	Connecticut Gardener Magazine	info@conngardener.com	203-292-0711

SPEAKER CONTACTS, CIPWG Invasive Plant Symposium, University of Connecticut, October 2018

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Michael Van Clef Program Director	New Jersey Invasive Species Strike Team	mike.vanclef@gmail.com www.njisst.org	908-528-6674
Emmett Varricchio	Connecticut Invasive Plant Working Group	emmett.varricchio@gmail.com	860-977-9191
Jeffrey Ward Chief Scientist, Forestry and Horticulture	The Connecticut Agricultural Experiment Station	jeffrey.ward@ct.gov www.ct.gov/caes	203-974-8495
Polly Weigand Science and Stewardship Program Manager, CPBC and Executive Director, LINPI	Central Pine Barrens Joint Planning and Policy Commission (CPBC), Long Island Native Plant Initiative (LINPI)	CPBC - PWeigand@pb.state.ny.us LINPI - info@LINPI.org https://pb.state.ny.us/ http://www.linpi.org/	CPBC 631-563-0321 LINPI 631-260-1513

EXHIBITORS

Aton Forest

Contact: Elizabeth Corrigan

www.atonforest.org

The Connecticut Agricultural Experiment Station

Contact: Rose Hiskes

www.ct.gov/caes

Connecticut Botanical Society

Contact: David Yih

www.ct-botanical-society.org

Connecticut College Arboretum

Contact: Maggie Redfern

www.conncoll.edu/the-arboretum

Connecticut Gardener

Contacts: Anne and Will Rowlands

www.conngardener.com

Connecticut Invasive Plant Working Group

Contacts: Donna Ellis and Charlotte Pyle

cipwg.uconn.edu

Earth Tones Native Plants

Contacts: Kyle and Lisa Turocz

www.earthtonesnatives.com

Native Habitat Restoration

Contacts: Sari Hoy and Jess Toro

nativehabitatrestoration.weebly.com

Northeast Organic Farming Association

Contact: Patrick Corelli

www.ctnofa.org

USDA Natural Resources Conservation Service - CT

Contact: Nancy Ferlow

www.nrcs.usda.gov/wps/portal/nrcs/site/ct/home/

The Connecticut Invasive Plant Working Group would like to thank the following Co-sponsors for helping us promote the 2018 Symposium

American Public Works Association, New England Chapter	Federated Garden Clubs of Connecticut, Inc. (FGCCT)
Association of Professional Landscape Designers, Connecticut Chapter	Friends of Goodwin Forest
Audubon Connecticut	Hardy Plant Society of New England, Connecticut Chapter
Connecticut Botanical Society (CBS)	Lyman Hall High School Agricultural Education Program
Connecticut Chapter of the American Society of Landscape Architects (ASLA)	Mad Gardeners, Inc.
Connecticut College Arboretum	Naugatuck Valley Community College (NVCC)
Connecticut Conservation District, Eastern	Northeast Organic Farming Association Organic Land Care Program
Connecticut Conservation District, North Central	Quinnipiac River Watershed Association
Connecticut Conservation District, Southwest	Rhododendron Society of Connecticut
Connecticut Department of Energy and Environmental Protection (CT DEEP)	River Advocates of South Central Connecticut
Connecticut Envirothon	Silvio O. Conte National Fish and Wildlife Refuge
Connecticut Federation of Lakes (CFL)	The Connecticut Agricultural Experiment Station
Connecticut Forest and Park Association (CFPA)	Tolland County Agricultural Center
Connecticut Gardener Magazine	UConn College of Agriculture, Health and Natural Resources
Connecticut Greenhouse Growers Association (CGGA)	UConn Department of Ecology and Evolutionary Biology
Connecticut Grounds Keepers Association (CGKA)	UConn Department of Natural Resources and the Environment
Connecticut Horticultural Society	UConn Department of Plant Science and Landscape Architecture
Connecticut Invasive Plant Working Group (CIPWG)	UConn Extension
Connecticut Land Conservation Council	UConn Extension Master Gardener Program
Connecticut Master Gardener Association (CMGA)	UConn Home and Garden Education Center
Connecticut Nursery and Landscape Association (CNLA)	USDA Animal and Plant Health Inspection Service (APHIS)
Connecticut Ornithological Association	USDA Natural Resources Conservation Service-Connecticut (NRCS)
Connecticut Outdoor & Environmental Education Association (COEEA)	Wallingford Conservation Commission
Connecticut Resource Conservation and Development Area, Inc.	Weir Farm National Historic Site
Connecticut Science Supervisors Association (CSSA)	Wild Ones Mountain Laurel chapter
Connecticut Science Teachers Association (CSTA)	
Connecticut Technology Transfer Center	
Connecticut Women's Agricultural Network	