



Conference Agenda

Wednesday, Thursday and Friday, December 12-14th, 2018

Session: Board Meetings

Magnolia Boardroom A - December 12th, 2018 - 10:00 am to 7:00 pm

9:00 am to 12:00 pm	Committee Meetings
10:00 am to 12:00 pm	Tennessee Invasive Plant Council Board Meeting
6:00 pm to 7:00 pm	Southeast Exotic Pest Plant Council Board Meeting
7:00 pm to 8:30 pm	Registration and Reception at the Crystal Gazebo located in the Magnolia Section of the Opryland Hotel

Opening Session

Washington B Ballroom - December 12th, 2018 - 1:00 pm to 5:00 pm

Welcome and Opening Remarks

1:00 pm	“Prairie Restoration” <i>Presenter: Dwayne Estes, Ph.D. Executive Director, Southeastern Grasslands Initiative (SGI), Austin Peay State University</i>
1:30 pm	“Cut Back the Cutting! Pocket prairies- A Native Alternative to the Non-Native Lawn” <i>Presenter: Mike Berkley Co-Owner of GroWild, Inc., Fairview, TN</i>
2:00	“Policy & Politics in Conservation” <i>Presenter: Dennis Niemeyer Magnolia Ridge Farm, Saluda, NC</i>

2:30 pm Exhibitor Sponsored Break

2:45 "Citizen Science for every generation – baby boomers to generation z"
Presenter: Chuck Bargeron
*Associate Director, Center for Invasive Species and Ecosystem Health,
University of Georgia*

3:15 "Python Removal Programs"
Presenter: Jenny Ketterlin
Invasive Species Biologist, Everglades and Dry Tortugas National Parks

3:45 pm "The Air Potato Patrol – Teaching IPM through Citizen Science"
Presenter: Dr. William Lester
*Residential/Commercial Horticulture Agent II, UF/IFAS Extension Hernando
County, FL*

4:15 "Organizing a Weed Wrangle in your State"
Presenter: Cayce McAlister
Garden Club of America

**6:00 pm to 7:00 pm Registration and Reception at the Crystal Gazebo located in the
Garden Conservatory at the Opryland Hotel
sponsored by Invasive Plant Control, Inc.**

Opening Session

Washington B Ballroom - December 13th, 2018 - 8:00 am to 9:45 am

7:00 am	Registration and Continental Breakfast
8:00 am	Welcome and Opening Remarks
8:10 am	“From We Can’t to We Can: Creating an Innovation Culture” <i>Presenter: Jamie Reaser, PhD</i> <i>Executive Director, National Invasive Species Council Secretariat</i>
8:55	“Predator Free New Zealand” <i>Presenter: Prof. Dan Tompkins</i> <i>Project Manager: Science Strategy, Predator Free 2050</i>
9:45	Exhibitor Break sponsored by Invasive Plant Control, Inc. www.invasiveplantcontrol.com

Jackson AB Ballroom

Jackson Ballroom AB - December 13th, 2018 - 10:00 am to 12:35 pm

Moderator: Lee Patrick

10:00 am	“A Comprehensive Screening Program To Prevent Introductions And Prioritize Management Of Non-Native Plants And Their Cultivars” <i>Presenter: Deah Lieurance</i> <i>Assistant Extension Scientist, UF/IFAS Center for Aquatic and Invasive Plants, University of Florida; S. Luke Flory2, Associate Professor, Agronomy Department, University of Florida.</i>
10:30 am	“The Value of Volunteers in Invasive Species Management” <i>Presenter: Paul Fowler</i> <i>Volunteer Coordinator, Friends of Warner Parks</i>

11:00 am **“Real-Time Field Data Collection Using Survey 123 for ArcGIS: Applications for Invasive Plant Management Programs”**
Presenter: *Ellen Allen*
South Florida Water Management District, West Palm Beach, FL

11:30 am **“Spatial Invasive Infestation and Priority Analysis (SIIPA) Tool in EDDMAPS”**
Presenter: *Becca Winston*
Project Designer, MIA Consulting1, Shelley, ID

12:00 pm **“Collector app tracks invasive species management for ACRES Land Trust”**
Presenter: *Casey Jones*
Director of Land Management, ACRES Land Trust, Indiana

Jackson CD Ballroom

Jackson Ballroom CD - December 13th, 2018 - 10:00 am to 12:35 pm

Moderator: Kayla Lynch

10:00 am **“Using Environmental DNA (eDNA) and Underwater Video as an early detection tool for invasive fish in Four Eastern Lake Ontario Tributaries”**
Presenter: *Rob Williams*
Invasive Species Program Coordinator/Conservation Practitioner, The Nature Conservancy

10:30 am **“Radioactive Tumbleweeds and other Invasive Plant Control Efforts”**
Presenters: *Una Song, Lead Policy Advisor/Office of Sustainable Environmental Stewardship, US Department of Energy*
Beverly Whitehead
Environmental Protection Specialist/Office of Sustainable Environmental Stewardship, U.S. Department of Energy
Eric Bradley
Environmental Protection Specialist/ Office of Sustainable Environmental Stewardship, U.S. Department of Energy

11:00 am **“Successful Habitat Restoration Projects on the US DOE Oak Ridge Reservation”**

*Presenter: Kitty McCracken
Natural Resources Management Team, Oak Ridge National Laboratory*

11:30 am **“Domestic cats: The Case for Management and Control”**
*Presenter: Grant Sizemore
Director, Invasive Species Programs, American Bird Conservancy*

12:00 pm **“Large-scale Invasive Plant Control Efforts in the City of Alexandria, Virginia”**
*Presenter: Rod Simmons
Natural Resource Manager / Plant Ecologist, Natural Resources Division, Department of Recreation, Parks & Cultural Activities
City of Alexandria, Virginia*

Washington B Ballroom

Washington B Ballroom - December 13th, 2018 - 10:00 am to 12:30 pm
Moderator: Alex Taylor

10:00 am **“To Be or Knotweed to Be: The Stakeholder Challenge”**
*Presenter: Bobbi Simpson
Liaison, California Exotic Plant Management Team, National Park Service, Point Reyes Station, California*

10:30 am **“Novel approaches to invasive plants issues in Zion, Arches and Canyonlands National Parks”**
*Presenter: Cheryl Decker
North Coast and Cascades Exotic Plant Management Team
North Cascades National Park Service Complex, Sedro-Woolley, WA*

11:00 am **“Managing Invasive Plants in the Upper Midwestern Great Lakes National Parks”**
*Presenter: Isaiah Messerly
Biologist/Liaison, National Park Service
Great Lakes Exotic Plant Management Team, St. Croix Falls, WI*

11:30 am **“The National Capital Region EPMT and a new citizen science EDRR project”**
*Presenter: Mark Frey
EPMT Liaison, National Park Service, National Capital Region*

12:00 pm **“Pesticide Application Manager, a program for applicators”**
Presenter: Brian McDonnell
Liaison, Northeast Exotic Plant Management Team.

12:30 pm **Luncheon sponsored by Invasive Plant Control, Inc.**

Keynote Session

Washington B Ballroom - December 13th, 2018 - 1:00 pm to 2:30 pm

1:00 pm **“SGHT Habitat Restoration Project - The World's Largest Rodent Eradication”**

Presenter: Dickie Hall
Project Director, SGHT Habitat Restoration Project
South Georgia Heritage Trust

1:45 pm **“Endocide concept and applications in control of invasive species”**

Presenters: Dr. Shiyou Li
Director, National Center for Pharmaceutical Crops
Arthur Temple College of Forestry and Agriculture
Stephen F. Austin State University
Steve Bullard
Provost and Vice President of Academic Affairs
Nacogdoches, TX

Jackson Ballroom AB

Jackson Ballroom AB - December 13th, 2018 - 2:30 pm to 5:15 pm

Moderator: Lee Patrick

2:30 pm **“Evaluation of UAS Innovations for Invasive Terrestrial and Aquatic Plant Detection, Mapping, and Management”**

Presenter: Andrew Howell
Graduate Research Assistant, Department of Crop and Soil Sciences,
North Carolina State University

3:00 pm **“Eyes in the Sky vs. Boots on the Ground: An Evaluation of Small UAS for Terrestrial Invasive Plant Detection and Mapping”**

Presenter: Zachary Simek
Adirondack Park Invasive Plant Program

3:30 pm	Exhibitor Break sponsored by Invasive Plant Control, Inc. www.invasiveplantcontrol.com
3:45 pm	“The Invasive Plant Management Association (IPMA), a model for providing an economic voice to promote state funding” <i>Presenter: James L. Burney, Jr.</i> <i>President, Invasive Plant Management Association</i>
4:15 pm	“Using Arc Collector to Streamline Invasive Species Data Collection” <i>Presenters: Jessica Spencer and Douglas Swanson</i> <i>Invasive Species Biologist, US Army Corps of Engineers, Jacksonville District and Geographer, US Army Corps of Engineers, Portland District</i>
4:45 pm	“WILD SPOTTER – Mapping Invasives in America’s Wild Places” <i>Presenter: Mike Ielmini,</i> <i>National Invasive Species Program Manager</i> <i>Forest Service National Forest System Headquarters</i>

Jackson CD Ballroom

Jackson CD Ballroom - December 13th, 2018 - 2:30 pm to 5:15 pm

Moderator: Lee Patrick

2:30 pm	<p>“Responding rapidly to Elodea - the first freshwater invasive plant in Alaska”</p> <p><i>Presenter: John Morton, Ph.D. Supervisory Fish & Wildlife Biologist, Kenai National Wildlife Refuge U.S. Fish and Wildlife Service, Soldotna, AK</i></p>
3:00 pm	<p>“Exploring innovative means for feral animal and invasive plant removal in The Nature Conservancy of Hawaii’s Maui forest program”</p> <p><i>Presenter: Alison Cohan Director, Maui Nui Forest Program, The Nature Conservancy Maui Program, Makawao, HI</i></p>
3:30 pm	<p>Exhibitor Break sponsored by Invasive Plant Control, Inc.</p> <p>www.invasiveplantcontrol.com</p>

3:45 pm **“Advances in Management of Invasive Plants at Kodiak National Wildlife Refuge, Alaska”**
Presenter: *Bill Pyle*
Supervisory Biologist, Kodiak National Wildlife Refuge

4:15 pm **“Bamboo as a crop in the Southeast? Current status, questions, and concerns”**
Presenter: *Nancy Loewenstein*
Extension Specialist with Auburn University School of Forestry and Wildlife Sciences and Alabama Extension

4:45 pm **“Indiana’s Statewide Grassroots Approach to Manage Invasive Species and Strengthen Ecosystem Resilience”**
Presenter: *Dawn R. Slack*
Southern Indiana Land Manager
Chair, Invasive Plant Advisory Committee
Project Coordinator, SICIM’s Indiana’s Invasive Initiative
The Nature Conservancy, Laconia, IN

Washington B Ballroom

Washington B Ballroom - December 13th, 2018 - 2:30 pm to 5:15 pm

Moderator: Lee Patrick

2:30 pm **“Will this project ever be finished? A three-phased approach to the evaluation of invasive plant control projects in Midwestern National Parks”**
Presenter: *Craig C. Young*
Terrestrial Program Leader (I&M/EPMT)
Jordan Bell, Exotic Plant Project Manager Heartland Inventory and Monitoring Network National Park Service

3:00 pm **“Innovative approaches and opportunities to manage invasive plants collaboratively across boundaries. An inter-agency model partnering at all levels of government.”**
Presenter: *Curtis Deuser*
Supervisory Ecologist/Liaison, Lake Mead Inter-Regional Exotic Plant Management Team, National Park Service, Boulder City, NV

3:30 pm **Exhibitor Break sponsored by Invasive Plant Control, Inc.**
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3:45 pm **“The Role of Public Gardens in Addressing the Problem of Invasive Plants: Honoring Sarah Reichard’s Legacy”**
Presenter: Kayri Havens
Senior Director, Plant Science and Conservation
Chicago Botanic Garden

4:15 pm **“Addressing the grand challenge of invasive arthropod species”**
Presenter: Helen Spafford
Entomological Society of America Science Policy Fellow
University of New Orleans

4:45 pm **“The Witchweed (*Striga asiatica*) Eradication Program in the Carolinas”**
Presenter: Bridget Lassiter, PhD
North Carolina Department of Agriculture &CS

Washington B Ballroom

Washington B Ballroom - December 13th, 2018 - 2:30 pm to 5:15 pm
Moderator: Steven Manning

5:20 pm **“Invasives Free USA”**
Presenter: Steven Manning
President, Invasive Plant Control, Inc.

5:40 pm **“The ABCs of Invasive Species Organizations, Minus One”**
Presenter: Karen Brown
President, Southeast Exotic Pest Plant Council

6:00 pm **Reception at the Water’s Edge in the Delta Conservatory Sponsored by Invasive Plant Control, Inc.**

Keynote Session

Washington B Ballroom - December 14th, 2018 - 8:00 am to 9:45 am

8:00 am	Presenter: Larry Clark, PhD <i>Director, APHIS</i> <i>National Wildlife Research Center</i>
8:45 am	Presenter: Dwayne Estes, Ph.D. <i>Executive Director</i> <i>Southeastern Grasslands Initiative (SGI)</i>
9:15 am	“Land and Life Lessons for Inner City Youth” <i>Presenter: Robyn Carlton</i> <i>Chief Executive Officer</i> <i>Lookout Mountain Conservancy</i>
9:45 am	Exhibitor Break sponsored by Invasive Plant Control, Inc. <u>www.invasiveplantcontrol.com</u>

Jackson Ballroom AB

Jackson Ballroom AB - December 14th, 2018 - 10:00 am to 12:30 pm
Moderator: Lee Patrick

10:00 am	“Scaling up: Addressing invasive species regionally using partnerships, prioritization, technology, and integration with other management needs.” <i>Presenter: Christopher Evans</i> <i>Extension Forestry and Research Specialist</i> <i>University of Illinois, Department of Natural Resources and Environmental Sciences</i>
10:30 am	“IPM for native grass plantings—how Trees Atlanta control weeds and invasives in a type of vegetation that isn’t often used in trial testing for herbicides” <i>Presenter: Brian Williams</i> <i>Urban Forestry Director, Trees Atlanta</i>
11:00 am	“Development of a Novel Autonomous Aquatic Pesticide Application System” <i>Presenter: Robert J. Richardson</i> <i>Professor and Extension Specialist</i>

Crop and Soil Science Department, North Carolina State University

11:30 am **“Formulation of a Pollinator Site Value Index (PSVI) to measure the benefits of rights-of-way (ROW) habitat change for pollinators (*Apis* and *Bombus*) following the management transition from traditional mowing practices to Integrated Vegetation Management (IVM)”**
Presenter: Richard A. Johnstone
President and founder of IVM Partners

12:00 pm **“The Tennessee State Parks Environmental License Plate; Making Revenue Work for Parks”**
Presenter: Sam King
Stewardship Ecologist, Tennessee Department of Environment and Conservation, Division of Natural Areas

12:30 pm **Luncheon sponsored by Invasive Plant Control, Inc.**
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Jackson CD Ballroom

Jackson CD Ballroom - December 14th, 2018 - 10:00 am to 12:30 pm

Moderator: Lee Patrick

10:00 am **“Management of Invasive Giant Applesnail (*Pomacea maculata*) in the Pascagoula River”**
Presenter: Mike Pursley
Invasive Species Program Manager Office of Coastal Resources Mgmt., Mississippi Department of Marine Resources

10:30 am **“Leverage tools for managing invasive plants”**
Presenter: Curtis Pearce
Uprooter Founder and CEO

10:45 am **“Grazing in Cities: An Overview of the Environmental, Economic, and Social Implications of Grazing Urban Landscapes”**
Presenter: Zach Richardson
Founder of Chew Crew

11:00 am **“Green Climber remote controlled mulching machine”**
Presenter: Mr. Martin J. Halm
President- Green Climber of North America

11:30 am

11:45 am	“The Sherp solution for traversing difficult terrain safely and efficiently” Presenter: <i>Todd Olson</i> <i>Vice President of Business Development</i> <i>Aquatic Vegetation Control d/b/a All Terrain of Florida</i>
12:00 pm	“Herbicide Product Review – “New” Products Available for Invasive Weed Managers & Industry Update” Presenter: <i>Charles Smyth</i> <i>Nutrien Solutions</i>
12:30 pm	Luncheon sponsored by Invasive Plant Control, Inc. www.invasiveplantcontrol.com

Washington B Ballroom

Washington B Ballroom - December 14th, 2018 - 10:00 am to 12:30 pm

Moderator: Lee Patrick

10:00 am	“Going Native – Converting Problematic Landscaping into a Native Botanical Garden at Sequoia Park Zoo” Presenter: <i>Gretchen Ziegler</i> <i>Zoo Director, Sequoia Park Zoo, Eureka, CA</i>
10:30 am	“NAISMA Weed Free Forage and Gravel Certification Program: Supporting Multi-jurisdictional Weed Free Regulations” Presenter: <i>Belle Bergner</i> <i>Executive Director, NAISMA</i>
11:00 am	“Overcoming triclopyr confusion: safety, efficacy, and selectivity issues for applicators.” Presenter: <i>Stephen F. Enloe</i> <i>Associate Professor, Agronomy Department/Center for Aquatic and Invasive Plants, University of Florida</i>
11:30 am	“Biocontrol as a critical tool in integrated pest management” Presenter: <i>Marc Imlay</i> <i>Chair, MAIPC Biological Control Working Group</i> <i>Conservation Biologist, Park Ranger Office, Non-native Invasive Plant Control Coordinator.</i> <i>Natural and Historical Resources Division</i> <i>The Maryland-National Capital Park and Planning Commission</i>

12:00 pm	“Invasive plant species management: Leading the non-chemical way” Presenter: <i>Johan Kristian Rud</i> <i>Founding owner Heatweed Technologies – The weed control company</i>
12:30 pm	Luncheon sponsored by Invasive Plant Control, Inc. www.invasiveplantcontrol.com

INNOVATIONS IN TOOLS AND EQUIPMENT FOR ON THE GROUND CONTROL APPLICATIONS

Two Rivers Park - December 14th, 2017 - 1:00 pm to 4:00 pm

Station 1: Backpack Sprayers... Identifying the best backpack sprayer for your needs

Station 2: Using RTV and ATV Dual Reel Sprayers to manage Chinese privet and other mixed invasives

- *Chemical Injection Tools*
- *Large broadcast sprayers*
- *Basal Sprays and Wipes*

Station 3: Stephen F. Enloe

Associate Professor, Agronomy Department/Center for Aquatic and Invasive Plants, University of Florida

Basal Applications- New research and methods for applying basal applications to invasive species

Station 4: Al Royster, Birchmeier

Birchmeier- Demonstration of Birchmeier spray equipment on invasive species

Station 5: Ginger Rose

Grow Enrichment- Educating Children About The Importance Of Invasive Plant Control

Station 6: Vance Brown

Using Chainsaws and brushcutters to manage high intensity multistemmed Invasives

Station 7: Fecon ftx128r Mulching tractor

The FTX128R offers exceptionally high performance in a compact tractor for any mulching job, big or small.

Station 8: Vance Brown Buckthorn Baggies and other non-chemical control techniques

Station 9: Mr. Martin J. Halm

“Green Climber remote controlled mulching machine”

Station 10: Curtis Pearce, Uprooter Founder and CEO

“Love the Lever: Multiplying the Force Against Invasive Plants”

Station 11: Zach Richardson, Founder of Chew Crew

“Grazing in Cities: An Overview of the Environmental, Economic, and Social Implications of Grazing Urban Landscapes”

Station 12: Todd Olson

“The Sherp solution for traversing difficult terrain safely and efficiently”