

Innovations in Invasive Species Management

Gaylord Opryland Hotel and Convention Center

Conference Agenda

December 13th, 2017

3:00 pm to 7:00 pm	Committee Meetings
3:00 pm to 5:00 pm	Tennessee Invasive Plant Council Board Meeting located in The Presidential Section of the Hotel in Jackson C Boardroom
5:00 pm to 7:00 pm	Southeast Invasive Plant Council Board Meeting located in The Presidential Section of the Hotel in Jackson D Boardroom
7:00 pm to 9:00 pm	Registration and Reception at the Crystal Gazebo located in the Magnolia Courtyard at the Opryland Hotel

December 14th, 2017

Ryman Ballroom ABDE

7:00 am to 8:00 am	Registration and Continental Breakfast	
8:00 am to 8:10 am		Welcome and Opening Remarks
8:10 am to 9:00 am	Opening Session	Presenter: Raymond Willard PLA State Roadside Asset Manager Washington State Department of Transportation Chair, Washington Invasive Species Council

“The Intersection of Highway Maintenance and Invasive Species – Collaboration, Innovations, and Applied Technology”

CONCURRENT SESSIONS

**Ryman Ballroom C
BEHAVIOR CHANGE, EDUCATION AND RESTORATION**

Presenter: Patterson Clark

alienweeds.com

“The Art of Alienweeds”

Presenter: Dr. Ed Rudberg, Ph.D.

CEO CD3 General Benefit Corporation

“Changing Behaviors: Education is NOT Enough”

Presenter: Dehlia Albrecht

University of Florida/IFAS, Center for Aquatic and Invasive Plants

“Invasive Species Education: Invading a Classroom Near You!”

**Ryman Ballroom F
USING THE STRIKE TEAM MODEL TO MANAGE INVASIVE SPECIES**

Presenter: Terri Hogan

Invasive Plant Program Manager, The National Park Service

“The National Park Service’s Exotic Plant Management Teams”

Presenter: Jason Hanley

Invasive Species Strike Team Leader, US Fish and Wildlife Service

“The Hawaii and Pacific Islands Invasive Species Strike Team Model – An Invasive Species Tool to Protect National Wildlife Refuges”

Presenter: Shawna L. Bautista

US Forest Service R6 Invasive Plant and Pesticide Use Coordinator

“Invasive Species Management in the US Forest Service”

9:00 am to
9:30 am

9:30 am to
10:00 am

10:00 am to
10:30 am

10:30 am to
10:45 am

Break

Exhibitor Sponsored Break

Exhibitor Sponsored Break

10:45 am to
11:15 am

Presenter: John Krupovage

Natural Resources Manager 72 Civil Engineering Directorate

"Challenges in Invasive Species Control in Urban Natural Area Restoration."

Presenter: Anna Greis

Forest Health Protection Program Manager
USDA Forest Service Southern Region, Atlanta GA

"Invasive Species Success Stories Across the Southern Region"

11:15 am to
11:45 am

Presenter: Douglas A. Burkett, PhD,

Environmental Biologist, Operations Division, Armed Forces Pest Management Board

"Invasive Plant Management in the DOD"

Presenter: Jennifer Hillmer Invasive Plant Coordinator, Cleveland Metroparks, OH

"Using strike team treatment records to measure progress, find maintenance thresholds, and save the planet"

11:45 am to
12:15 am

Presenters: Brendan Quirion and Zachary Simek

Adirondack Park Invasive Plant Program

"Management of invasive *Phragmites australis* in the Adirondacks: a cautionary tale about prospects of eradication."

Presenter: Tony Pernas

National Park Service

"Invasive Animals in Florida"

12:15-1:15

Exhibitor Sponsored Luncheon

Exhibitor Sponsored Luncheon

Exhibitor Sponsored Luncheon

1:15 pm to
5:30 pm

CONCURRENT SESSIONS

BEHAVIOR CHANGE, EDUCATION AND RESTORATION

INNOVATIONS IN TOOLS AND EQUIPMENT

1:15 pm to
1:45 pm

Presenter: Mike Berkley

Co-Founder of Growild Native Nurseries
"If You DON'T Build It, It Will Come...BACK!" Native
Plant Restoration After Eradication"

Presenter: Adam Dattilo

Botanist, Tennessee Valley Authority
"Vegetation Management on Tennessee Valley
Authority Rights of Way: Transmission System
Reliability and High-Quality Habitats"

1:45 pm to
2:15 pm

Presenter: Sarah Lowe

Botanical Garden & Horticulture Manager,
Cheekwood Botanical Gardens
"The Role Botanical Gardens Play in Invasive Plant
Management"

Presenter: James H. Castle, Wildlife Biologist, U.S.
Army Corps of Engineers, Walla Walla District
Burbank, WA

"Eradication of Flowering Rush using the Diver
Assisted Suction Device (DASH)"

2:15 pm to
2:45 pm

Presenter: Josh McEnany

Gulf South Research Corporation
"Camp Pendleton and the Challenge of Treating
Invasive Weeds"

Presenter: Jon Morton

U.S. Army Corps of Engineers
"Using Unmanned Aerial Systems (UAS) for
Vegetation Mapping and Restoration"

2:45-3:00

**Exhibitor
Sponsored
Break**

Exhibitor Sponsored Break

Exhibitor Sponsored Break

3:00 pm to
3:30 pm

Presenter: Todd Neel

Pesticide Specialist, US Forest Service State and
Private Forestry Intermountain and Northern
Regions
"Incorporating new tools and technologies
(including pesticides); risk assessment; when
working with external partners of NFS Lands"

Presenter: Bob Caveny Conservation Stewardship
Program Manager, Illinois Department Of Natural
Resources
"Aerial Application as an Initial Strike for Heavy Bush
Honeysuckle (*Lonicera maackii*) Infestations in Illinois"

3:30 pm to
4:00 pm

Presenter: Nicole F. Angeli

Alabama Cooperative Fish and Wildlife Research
Unit, School of Forestry and Wildlife Sciences Auburn
University

"Positive impacts of mongoose control and a path
forward"

Presenter: Joel Helm

USAF 611th CES

"Securing DoD Mission efficiencies and biodiversity by
Aggressively Managing Invasive Species on Remote
Pacific Islands"

THE WEED WRANGLE INITIATIVE
Ryman Ballroom ABDE

4:00 pm to
4:20 pm

Presenter: Cayce McAlister

Garden Club of America

"Organizing a Weed Wrangle in your State"

4:20 pm to
4:35 pm

Presenter: Jim Hunt

Mayor, City of Belle Meade, TN

"Invasive Species Management in an Affluent Urban
Area"

4:35 pm to
5:30 pm

Weed Wrangle Short Talks from across the US

Meghan Scholl, Friends and Volunteer Programs
Assistant, Tennessee State Parks – "Weed Wrangle in
33 TN State Parks"

Fran Rittenberry The Garden Club of Lookout
Mountain

Jackie Congleton Garden Club of Knoxville

Bill Moll Wild Ones Tennessee Valley Chapter

5:30 pm to
6:30 pm

**Reception at
the Rivers
Edge in the
Delta**

**Reception at the Rivers Edge in the Delta
Sponsored by Invasive Plant Control, Inc.**

Chattanooga Area Weed Wrangles,
Cheryl Welch Garden Club of Jackson Mississippi
Jimmy Groton Tennessee Citizens for Wilderness
Planning
Dana Pearce Weed Wrangle Oregon

**Reception at the Rivers Edge in the Delta
Sponsored by Invasive Plant Control, Inc.**

December 15th, 2017

Ryman Ballroom ABDE

7:30 am to 8:00
am

Continental Breakfast

8:00 am to 8:15
am

Presenter: Steven Manning

President, Invasive Plant Control, Inc.

“Introduction to the newest Tools and equipment for Managing Invasive Species”

**CONCURRENT
SESSIONS**

Ryman Ballroom C

INNOVATIONS IN TECHNOLOGY

Ryman Ballroom F

**INNOVATIONS IN TOOLS AND EQUIPMENT FOR ON
THE GROUND CONTROL APPLICATIONS**

8:15 am to 8:45 am	<p>Presenters: Rebekah Wallace and Chuck Bargeron University of Georgia Center for Invasive Species and Ecosystem Health</p> <p>“Tools for Invasive Species Early Detection and Rapid Response Information Management”</p>	8:15 am to 8:45 am	<p>Presenter: Angela Kowalzek-Adrians Natural Resources Planner, Bay-Lake Regional Planning Commission</p> <p>“Managing Extensive, Well-established Invasive Phragmites in Brown County, Wisconsin: Taking an Unmanageable Problem and Making it Manageable”</p>
8:45 am to 9:15 am	<p>Presenters: Anne Pearce and Mark Renz University of Wisconsin-Madison</p> <p>“ISMTrack for Invasive Species Management: Case Studies from Wisconsin”</p>	8:45 am to 9:00 am	<p>Presenter: Andrew Fraser PNW IPC EDRR Program Coordinator (Pacific Northwest Invasive Plant Council)</p> <p>“PNW-IPC EDRR Citizen Science Invasive Plant Program”</p>
9:15 am to 9:45 am	<p>Speaker: Karen Alexander Senior Program Specialist Organization: Great Lakes Commission</p> <p>“A collaborative citizen-science tool: the <i>Phragmites</i> Adaptive Management Framework (PAMF)”</p>	9:00 am to 9:15 am	<p>Presenter: Curtis Pearce Uprooter Founder and CEO “Love the Lever: Multiplying the Force Against Invasive Plants”</p>
9:45 am to 10:00 am	<p align="center">Exhibitor Sponsored Break</p>	9:15 am to 9:30 am	<p>Presenter: Zach Richardson Founder of Chew Crew “Grazing in Cities: An Overview of the Environmental, Economic, and Social Implications of Grazing Urban Landscapes”</p>
		9:30 am to 9:45 am	<p>Presenter: John Lampe Saint Paul, Minnesota “Novel electronic dispenser for precision applications of herbicide sprays and foam”</p>
			<p align="center">Exhibitor Sponsored Break</p>

10:00 am to 10:30 am	<p>Presenter: Dr. Emily E.D. Coffey, PhD Vice President of Conservation and Research Atlanta Botanical Garden “A New Tool for Invasive Species Management - Plant Risk Evaluator “PRE”</p>	10:00 am to 10:30 am	<p>Presenter: Michelle J. Aulson Owner MJA Services & Outreach Director of Goats to Go at Great Rock Farm, Georgetown, MA "Effective Use of Goat Browsing as an Application for Invasive Species Control in Northeast Suburbs"</p>
10:30 am to 11:00 am	<p>Presenter: Stephen F. Enloe Associate Professor Agronomy Department/Center for Aquatic and Invasive Plants, University of Florida “Hacking up the Hack and Squirt Paradigm in Natural Areas with Milestone and Method Herbicides”</p>	10:30-10:50	<p>Presenter: Todd Hagenbuch “Radiarc® Sprayers and the Ultra-Low Volume Thinvert® Spray System”</p>
11:00 am to 11:30 am	<p>Presenter: Rob Richardson Professor and Extension Specialist, North Carolina State University "Mapping and management of hydrilla: an overview of successful programs in North Carolina"</p>	10:50 am to 11:15 am	<p>Presenter: Cadance Lowell Central State University and Jon Jackson, Global Neighbor, Inc “NatureZap DE Technology”” Natural area pest plant control with Directed Energy -- Keep aliens away!!”</p>
11:30 am to Noon	<p>Presenter: James Bean Strategic Accounts Manager BASF Professional & Specialty Solutions “Changes and Innovations in the Invasive Species Control Market”</p>	11:15 am to 11:45 am	<p>Presenter: Mr. Johan Kristian Rud Founding owner Heatweed Technologies – The weed control company Invasive plant species mangagement: Leading the non-chemical way</p>
		11:45 am to Noon	<p>Presenter: Brian Riskas President, RMD Systems</p>

“Use of small UAS for aerial application of chemicals for invasive plant management”

12:00 am to 1:00 pm

Exhibitor Sponsored Luncheon

1:00 pm

Buses will depart from the resort for about a 5-minute drive to Two Rivers Park

1:00 pm to 4:30 pm

Field Demonstrations at Two Rivers Park

Chemical Application Techniques

Field Demo: Backpack Sprayers...
Identifying the best backpack sprayer for your needs

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

Field Demo: Using RTV and ATV Dual Reel Sprayers to manage Chinese privet and other mixed invasives

Field Demo: Use of the Hack and Squirt method to manage invasive tree species. Identifying the best machetes, hatchets and handsprayers

Field Demo: Todd Hagenbuch
Thinvert brush gun and backpack
Thinvert widecast sprayer
Radiarc sprayer low volume demo

Mechanical Tools

Field Demo: Using Chainsaws and brushcutters to manage high intensity multistemmed Invasives

Field Demo: Vance Brown
Buckthorn Baggies and other non-chemical control techniques

Field Demo: John Lampe, Founder of Green Shoots, LLC, Saint Paul, Minnesota –
“Novel electronic dispenser for precision applications of herbicide sprays and foam.”

Field Demo: Jon Jackson and Air Force Research Representative
“NatureZap DE Technology” “Natural area pest plant control with Directed Energy -- Keep aliens away!!”

Field demo: Fecon ftx128r Mulching tractor
The FTX128R offers exceptionally high performance in a compact tractor for any mulching job, big or small.

Field Demo: Al Royster, Birchmeier
“New technologies for Invasive Plant Managers from Birchmeier”

Field Demo: Curtis Pearce, Uprooter Founder and CEO
“Love the Lever: Multiplying the Force Against Invasive Plants”

Field Demo: Sheila Kennedy Owner/Operator, S-K Environmental, Portable Invasive Species Rinse off and Reclaim System.
“Eliminating transfer and introduction of invasive species with rinse off reclaim decontamination system”

5:00 pm to 6:30 pm

Join us for a reception in the Crystal Gazebo located in the Magnolia Courtyard at the Opryland Hotel