

2017 CAL-IPC SYMPOSIUM

PRELIMINARY PROGRAM

Tuesday, October 24

1:00 pm – 5:00 pm **Training 1: Invasive Plant Management 101** (Room: *El Dorado II*)

Are you new to the field of invasive plant management? Or have gaps in your understanding about how everything ties together? Here's your chance to get a solid foundation and learn about: how land managers identify, map and prioritize weeds; how weed biology affects weed control methods; the range of control tools at our disposal as part of the Integrated Pest Management toolbox; strategic approaches for program success; and more. Taught by experienced Cal-IPC field course instructors.

1:00 – 5:00 pm **Training 2: Calflora Weed Manager** (Room: *Royal I*)

Did you know you can map weeds on your smartphone, using a custom interface designed for your organization? That you can record details each time you treat a population? Calflora's Weed Manager suite of tools is designed to do this and more. Calflora staff and current users will show you how it all works.

6:00 – 8:00 pm **DPR Laws & Regulations: Updates on pest control regulations**

Room *Grand Ballroom III*. Chair: *Joel Trumbo, California Dept. of Fish and Wildlife*

6:00 *TBD*

6:30 *TBD*

7:00 *TBD*

7:30 *TBD*

Wednesday, October 25

7:00am Registration and Continental Breakfast

8:00 – 9:40 am **Session 1. Invasive Plant Management in the California Desert**

Room: *Grand Ballroom*. Chair: *Heather Schneider, Rare Plant Biologist, Santa Barbara Botanic Garden*

8:00 Invasive plant management programs update. *Doug Johnson, Executive Director, Cal-IPC*

8:20 Introduction to invasive plants in the California desert. *Naomi Fraga, Director of Conservation Programs, Rancho Santa Ana Botanic Garden*

8:40 Invasive plant management and impacts on wildlife in the desert. *Cameron Barrows, Research Ecologist, UC Riverside Center for Conservation Biology*

9:00 Managing invasive plants at Joshua Tree National Park. *Neil Frakes, Biologist, Joshua Tree National Park*

9:20-9:40 am Break

9:40 – 10:40 am **Session 2. Aquatic and Estuarine Invaders**

Room: *Grand Ballroom I*. Chair: *TBD*

10:00 *TBD*

10:20 *TBD*

10:40 *TBD*

9:40 – 10:40 am **Session 3. Grassland Invaders**

Room: *Grand Ballroom II*. Chair: *TBD*

10:00 *TBD*

10:20 *TBD*

10:40 *TBD*

10:40-11:00 am Break

11:00 – 12:00 pm **Session 4. TBD**

Room: *Grand Ballroom I*. Chair: *TBD*

11:00 *TBD*

10:20 *TBD*

10:40 *TBD*

11:00 – 12:00 pm **Session 5. TBD**

Room: *Grand Ballroom II*. Chair: *TBD*

11:00 *TBD*

10:20 *TBD*

10:40 *TBD*

12:00 - 1:30 pm Lunch (provided)

<p>1:40 – 2:40 pm Session 6. Coastal Invaders</p> <p>Room: <i>Grand Ballroom I.</i> Chair: <i>TBD</i></p> <p>1:40 <i>TBD</i></p> <p>2:00 <i>TBD</i></p> <p>2:20 <i>TBD</i></p>	<p>1:40 – 2:40 pm Session 7. Mountain Invaders</p> <p>Room: <i>Grand Ballroom II.</i> Chair: <i>TBD</i></p> <p>1:40 <i>TBD</i></p> <p>2:00 <i>TBD</i></p> <p>2:20 <i>TBD</i></p>
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2:40 – 3:00 pm Break

<p>3:00 – 4:00 pm Session 8. Helicopters and UAVs</p> <p>Room: <i>Grand Ballroom I.</i> Chair: <i>TBD</i></p> <p>3:00 <i>TBD</i></p> <p>3:20 <i>TBD</i></p> <p>3:40 <i>TBD</i></p>	<p>3:00 – 4:00 pm Session 9. Research I</p> <p>Room: <i>Grand Ballroom II.</i> Chair: <i>TBD</i></p> <p>3:00 <i>TBD</i></p> <p>3:20 <i>TBD</i></p> <p>3:40 <i>TBD</i></p>
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4:00 – 5:00 pm Session 10. Poster Session & Sponsor Exhibits

5:00 – 6:30 pm Social Hour, Raffle & Silent Auction

6:30 – 8:30 pm Awards Banquet

Thursday, October 26

7:00 am Registration

8:00-9:00 am. Session 11. Engaging Diverse Communities in Invasive Plant Management

Room: *Grand Ballroom.* Moderator: *Antonio Solorio, Santa Monica Mountains National Recreation Area*
 Panelists *TBD*

9:00 – 9:20 am Break

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<p>9:20 – 10:20 am Session 12. Traditional Ecological Knowledge</p> <p>Room: <i>Grand Ballroom I</i>. Chair: <i>TBD</i></p> <p>9:20 <i>TBD</i></p> <p>9:40 <i>TBD</i></p> <p>10:00 <i>TBD</i></p>	<p>9:20 – 10:20 am Session 13 Research II</p> <p>Room: <i>Grand Ballroom II</i>. Chair: <i>TBD</i></p> <p>9:20 <i>TBD</i></p> <p>9:40 <i>TBD</i></p> <p>10:00 <i>TBD</i></p>
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10:20 – 10:40 am Break

10:40-11:40 am. Session 14: Discussion Groups

1. **Tools & Techniques: Ask the Invasive Plant Management Experts** – Whether you’re curious about ways to control a particular plant, need to know how to plan for an unusual situation, or need guidance on strategy, come learn from your peers and get your specific control questions answered by our expert panel of seasoned land managers. (*Room: TBD*)
2. **Aquatic and Estuarine Weeds** –Water is precious in California, and not only to humans. Water supports wildlife, and aquatic and estuarine environments are especially rich habitats.. Come discuss the latest invasive plant management efforts in the Delta, Lake Tahoe, San Francisco Bay and elsewhere. *Chair: TBD (Room: TBD)*
3. **UAVs and Helicopters** – Following up on our earlier session, come discuss what land managers need to know about incorporating these flying tools into their management programs. *Led by Julia Parish, Catalina Island Conservancy. (Room: TBD)*
4. **Communications Strategies** – Whether communicating with volunteers, decision makers, the media or the public, we need to ensure that our message is as effective as possible. Studies find some counterintuitive things about how people understand issues. We’ll talk about communication planning for invasive plant management programs, including hot-button issues like use of herbicides and tree removal. *Chair TBD. (Room: TBD)*
5. **Non-Chemical Approaches to Invasive Plant Management** – Much of invasive plant management is done without the use of herbicides, but there are few comprehensive guides to best practices for using the wide range of non-chemical approaches. Managers need to know which techniques work—and don’t work—in which situations, and so do decision makers who face public scrutiny. Come hear about the current effort to compile best practices for non-chemical approaches and share your expertise and perspectives. *Chair TBD. (Room: TBD)*

11:40 am – 1:00 pm Lunch (on your own)

Career Panel Lunch, organized by the Cal-IPC Student Section

<p>1:00-2:00 pm Session 15. Riparian Invaders</p> <p>Room: <i>Grand Ballroom I</i>. Chair: <i>TBD</i></p> <p>1:00 <i>TBD</i></p> <p>1:20 <i>TBD</i></p> <p>1:40 <i>TBD</i></p>	<p>1:00-2:00 pm Session 16. The Role of Botanic Gardens in Invasive Plant Research</p> <p>Room: <i>Grand Ballroom II</i>. Chair: <i>TBD</i></p> <p>1:00 <i>TBD</i></p> <p>1:20 <i>TBD</i></p> <p>1:40 <i>TBD</i></p>
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2:00 – 2:20 pm Break

2:20-3:20 pm Session 17. TBD

Room: *Grand Ballroom I*. Chair: *TBD*

2:20 *TBD*

2:40 *TBD*

3:00 *TBD*

2:20-3:20 pm Session 18. TBD

Room: *Grand Ballroom II*. Chair: *TBD*

2:20 *TBD*

2:40 *TBD*

3:00 *TBD*

3:20 – 3:45 pm Break

3:45 – 5:00pm. Session 19. Invasive Plant Management in California and Hawaii

Room: *Grand Ballroom*. Chair: *Doug Johnson, Cal-IPC*

3:45 *New Weed Updates. Dean Kelch, California Dept. of Food & Agriculture*

4:15 *Invasive plant management in Hawaii. Joshua Atwood, Hawaii Invasive Species Council (unconfirmed)*

5:00 pm Adjourn

Friday, October 27

Field Trip 1: Joshua Tree National Park (Full-day, 8:30 am-4:30 pm)

We will travel through Joshua Tree from south to north, following the transition from the Colorado Desert to the Mojave Desert. NPS staff will describe management approaches for historic plantings of non-natives that the park is preserving. We will visit research plots assessing the effects of atmospheric nitrogen deposition on invasive annual brome grasses. Joshua tree woodland sites that have burned in wildfires fueled by invasive annual grasses provide an opportunity to discuss the future of this iconic species given the threats of global climate change and additional wildfires. Participants will only walk a short distance from our vehicles.

Field Trip 2: Whitewater Preserve (Full-day, 8:30 am-4:30 pm))

Hike the Whitewater River canyon, a candidate for National Wild & Scenic, where intact riparian habitat is home to the endangered Southwest willow flycatcher and Bell's vireo. The site is enclosed within BLM's San Geronio Wilderness between the San Bernardino and San Jacinto Mountains, and provides range for bighorn sheep, deer and bear. Hear about how management of invasive plants has been a part of the Wildlands Conservancy's restoration work to protect this special desert place. The visit will involve approximately 3 miles of easy walking. Participants should be prepared for warm weather, with sturdy shoes and water.

Field Trip 3: Coachella Valley Preserve (Half-day, 8:30am-12:30 pm)

Visit the Coachella Valley National Wildlife Refuge to view one of the last and largest remnants of a unique sand dune system in the Coachella Valley. This system, home to the endemic, endangered Coachella Valley fringe-toed lizard and Coachella Valley milkvetch, as well as the rare flat-tailed horned lizard, is under threat due to the invasion of Sahara mustard, and has been the focus of annual citizen weed pull efforts to reduce the abundance of the mustard. Also

within the Preserve, we will visit a series of palm oases along the San Andreas earthquake fault, a scenic riparian system that was restored from a formerly highly-invaded state by the reduction of tamarisk, which has had implications for the water table, soil salinity, and growth of native species. The visit will involve approximately 3 miles of easy walking. Participants should be prepared for warm weather, with sturdy shoes and water.