

**57th Annual Meeting of the  
Weed Science Society of America  
Hilton El Conquistador, Tucson, AZ  
February 6 - 9, 2017**

**SYMPOSIA**

Understanding and Reducing the Impact of Herbicide  
Off-Site Movement: Advancements to Reduce Drift  
and Considerations for Herbicide Synergy

Precision Agriculture and Weed Science

Contributions of USDA, ARS Areawide Projects in Weed  
Science Research and Practice

**WORKSHOP**

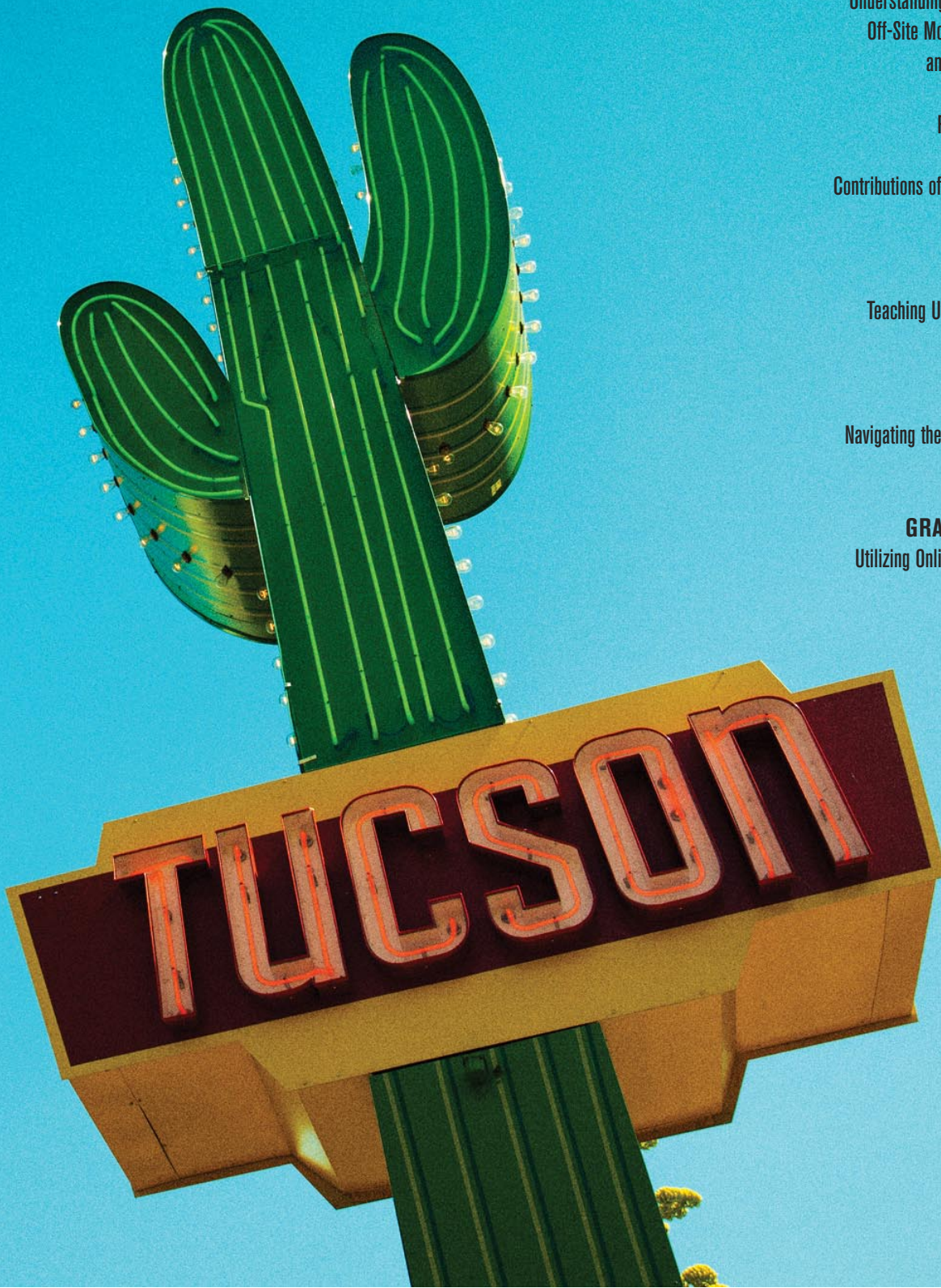
Teaching Undergraduate Weed Science: Strategies  
to Improve Learning

**SPECIAL SESSION**

Navigating the New Landscape of Federal Funding for  
Weed Science Research

**GRADUATE STUDENT WORKSHOP**

Utilizing Online Resources for the Development of a  
Professional Web Presence





Tucson Skyline, courtesy of Visit Tucson

# President's Welcome

WSSA Members,  
 I would like to invite you to participate in the 2017 meeting of the Weed Science Society of America at the Hilton El Conquistador in Tucson, Arizona on Monday February 6 through Thursday February 9. The Hilton is an excellent venue and Tucson will be a great place to be in February with lots of exciting things to see and do in conjunction with the meeting.

WSSA Program Chair Janis McFarland has been putting together an exciting agenda for the meeting. The meeting itself will open with a very interesting general session and awards presentation Monday afternoon, followed by a society reception. There are three outstanding symposia scheduled for the 2017 meeting. They are: "Precision Agriculture and Weed Science," "Contributions of USDA-ARS Area-wide Projects in Weed Science Research and Practices," and "Understanding and Reducing the Impact of Herbicide Off-Site Movement: Advancements to Reduce Drift and Considerations for Herbicide Synergy." In addition to these symposia, there

will also be one workshop on "Teaching Undergraduate Weed Science: Strategies to Improve Learning" and one special session, "Navigating the New Landscape of Federal Funding for Weed Science Research." The graduate students have also organized a workshop entitled "Utilizing Online Resources for the Development of a Professional Web Presence" which should be of interest to all the students attending the conference.

WSSA will again be hosting a poster contest for any graduate students participating in the meeting, and for the first time ever WSSA graduate student members will also have the opportunity to compete in an oral presentation contest. You will be hearing more about this in the newsletter and through other registration information.

The entire program will be posted on the WSSA web site ([www.wssa.net](http://www.wssa.net)) in advance of the meeting and a smart phone and tablet app will be available for download in advance of the meeting to help with

planning and coordinating your schedules. Printed programs will be available for pick-up at the registration desk for the meeting. We feel that we have an exciting and interesting meeting planned for you to attend and look forward to seeing you in Tucson in February.

Kevin Bradley  
 President, Weed Science Society of America

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Cover photo: Gateway Saguaro, courtesy of Visit Tucson

# Schedule of Events

Schedule for the listed Symposia, Special Session, and Education Workshop are yet to be determined.

## Saturday, Feb. 4, 2017

7 a.m. – 5 p.m. WSSA Board of Directors

## Sunday, Feb. 5, 2017

8 a.m. – Noon WSSA Board of Directors  
1 – 5 p.m. Sonoma Desert Museum Tour  
9 a.m. – 1 p.m. Golf Tournament

## Monday, Feb. 6, 2017

7 – 8 a.m. WSSA Board/Committee Chairs  
Breakfast  
8 a.m. – 3:30 p.m. WSSA Committee Meetings  
4 – 6 p.m. General Session/WSSA Awards  
Ceremony  
6 – 8 p.m. Welcome Reception  
(heavy hors d'oeuvres & cash bar)

## Tuesday, Feb. 7, 2017

7 – 9 a.m. Poster Session (Even numbered  
Presentations)  
9 a.m. – Noon Paper Sessions  
1:30 – 5 p.m. Paper Sessions  
5 – 6 p.m. WSSA Business Meeting

## Wednesday, Feb. 8, 2017

7 – 8 a.m. WSSA President's Breakfast with  
Regional Presidents  
7 – 9 a.m. Poster Session (Odd numbered  
presentations)  
9 a.m. – Noon Paper Sessions  
10 a.m. – Noon Graduate Student Workshop  
Noon – 1 p.m. Graduate Student Luncheon  
1 – 5 p.m. Paper Sessions

## Thursday, Feb. 9, 2017

7 a.m. – Noon Paper Sessions  
1 – 3 p.m. WSSA Board of Directors



*Saguaro Flowers, courtesy of Visit Tucson*

## Student Events

### Graduate Student Poster Contest

There will be a graduate student poster contest in two groups – one for Master's students and one for Ph.D. students. All registered students of the WSSA may participate. Students wishing to participate will designate this at the time of abstract title/author submission.

### Oral Presentation Contest

There will be two oral presentation contests as well – an Ms contest and a PhD contest. Again, students wishing to participate will designate this at the time of abstract title/author submission.

### WSSA Graduate Student Luncheon

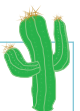
Wednesday, February 8 .....Noon – 1 p.m.  
Open to all students registered for the meeting.

### Graduate Student Workshop

Wednesday, February 8.....10 a.m. – Noon  
“Utilizing Online Resources for the Development of a Professional Web Presence.” Open to all students registered for the meeting.



*Bear Canyon Pools, courtesy of Jerry Rosen*





Arizona-Sonora Desert Museum - Organ Pipe Cactus, courtesy of Jay Pierstorff



Arizona-Sonora Desert Museum - Ironwood Art Gallery, courtesy of Arizona-Sonora Desert Museum

## Tour

### Arizona-Sonora Desert Museum

The Desert Museum is a fusion experience: zoo, botanical garden, aquarium, natural history museum, and art gallery. It differs from a traditional museum in that 85% of its content is outdoors, and includes 21 interpreted acres with two miles of paved and unpaved walking paths. We have a special group experience planned that includes a behind-the-scenes tour with the Botany department. Tour participants will be joined by a Botany staff member, who will lead a tour of some of the Museum's public gardens and behind-the-scenes greenhouses. Participants learn about the cultivation and conservation of native plants, including rare and unique species, as well as exhibit design and maintenance. This session allows for a lively, personal exchange of question and answer.

The guided tour will end in time for tour participants to experience the Raptor Free Flight and time to explore the grounds/art gallery on your own prior to boarding the bus for the return trip.

Fees for this tour include museum entrance fees; guided tour fees; and transportation fees. Any food and beverages will be on your own.

Cost: \$65 per person; tour limit of 32 participants.

## Golf Tournament



Oro Valley El Conquistador, Pusch Ridge Course #5, courtesy of Hilton Tucson El Conquistador

On Sunday, February 5th there will be a golf tournament with proceeds going to the WSSA Endowment Fund. The tournament will be held on the 9-hole Pusch Ridge Course, located on the property itself. The Pusch Ridge Course is one of three courses at the El Conquistador. The hotel's location at the base of the Santa Catalina Mountain Range ensures spectacular views.

Encircling the El Conquistador resort is one of the best kept golf secrets in Tucson - the 9-hole Pusch Ridge Course. It is by no means an executive course. The golfer plays from elevated tees to sloping fairways and more often than not, back up to an elevated green. The layout makes full use of the ravines and ridges as well as indigenous cactus and trees to challenge any player.

The course is a popular choice since it features dramatic elevation changes, small greens and water hazards. The course provides challenging play for golfers of all skill levels. The signature hole is the par-4 fifth hole, which is surrounded by water with a walkway to an island green. It is considered one of the most scenic holes in Tucson.

The tournament will include two rounds on the course for an 18-hole tournament. Fees include the course fees, golf cart, golf clubs and golf balls rental, and lunch.

Fee: \$85 per person regular rate; \$45 per person student rate

Limit: 36 participants

# Hotel Information

Located on over 500 acres in the shadows of the magnificent Pusch Ridge in Tucson, Arizona, the Hilton Tucson El Conquistador offers some of the most pristine desert and mountain vistas in the Southwest. Nestled at the base of the breathtaking Santa Catalina mountains and surrounded by acres of high Sonoran Desert terrain, the property offers an opportunity for guests to experience world-class amenities in a truly spectacular setting.

Combining breathtaking natural landscapes, year-round sunshine, a myriad of attractions and activities with a mix of Spanish, Mexican and Native American influences, Tucson is a truly special destination. Relax in one of the 428 spacious guest rooms and suite accommodations. Play a round (or more) on 45-holes of golf. Enjoy a game of tennis on one of 31 lighted courts. Relax poolside at the Desert Springs Oasis, featuring sparkling pools and a 143-foot waterslide. Dine on exquisite cuisine at one of five restaurants - including the newest addition, Epazote Kitchen & Cocktails.



## Reservations

One of the reasons we have been able to retain relatively low meeting registration costs is that we receive free meeting space from the hotel if we achieve our contracted guest room minimum. However, we are charged attrition fees and meeting space rental fees if we do not meet this threshold. Thus, your reservation at the Hilton El Conquistador, rather than another location, ensures the success of the meeting for the Society and enables us to keep registration rate increases to a minimum in the future.

As part of our contract, we've negotiated complimentary guest-room internet for all attendees staying at the hotel, complimentary use of the fitness studio; complimentary use to towels and chaise lounges at the sun and pool deck; and complimentary casino match play coupon of \$10 per person. The group rate for a standard guest bedroom is \$179 per night plus tax, available 3 days prior and 3 days after the event dates of February 6 - 9, 2017, subject to availability.

## To Make Reservations Online

The group booking link is:

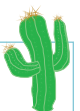
[https://secure.hilton.com/en/hi/res/choose\\_dates.jhtml?hotel=TUSHTHH&spec\\_plan=WSSA](https://secure.hilton.com/en/hi/res/choose_dates.jhtml?hotel=TUSHTHH&spec_plan=WSSA)

Reservations number .....800-325-7832  
Onsite reservations number is .....520-544-5085  
(please note with this number if the phone is not answered within 3-rings, it will transfer to central reservations)

Be sure to mention "WSSA" in order to get the discounted rate.

Our discounted block is available through Tuesday, January 3, 2017. Reservation requests received after the cut-off date will be based on availability and may be subject to the hotel's prevailing rates.

Check-in time at the Hilton is 4 p.m. with check-out at 11 a.m.





Tucson International Airport, courtesy of Tucson International Airport

# Registration Information

## Registration Fees

Please see the registration form for costs on registration. Take advantage of the early bird discounts and register on/before December 9, 2016.

## How to Register

### By Mail

Complete the registration form, include payment, and send to:  
WSSA Meeting Registration  
810 East 10th Street  
Lawrence, KS 66044-7065

### Online

(for credit card registrations only):

Meeting registration can be accessed and paid for directly online by going to the meeting registration section of the WSSA web site: <http://www.wssa.net>

A printable PDF registration form can be found at [www.wssa.net](http://www.wssa.net). Complete the form, including payment information and mail to the address above.

### By Fax

(for credit card registrations only):

Complete the attached registration form, or print one from our website, and fax to 785-843-6153.

## Questions

Call 1-800-627-0326 or e-mail us at [WSSAmeeting@allenpress.com](mailto:WSSAmeeting@allenpress.com).

## Cancellation Policy

Written notice of cancellation received on or before January 13, 2017 will be refunded, less a \$50 processing fee. *No refunds will be issued for cancellations after January 13, 2017.* Participants unable to attend the conference can make substitutions.

# Transportation

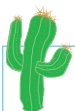
The Hilton El Conquistador is located about 45 minutes from the Tucson airport. For this reason, the Hilton has agreed to provide transportation services to/from the property from the airport. The hotel is also providing dine around transportation – shuttle services to various restaurants on Tuesday and Wednesday evenings. You also have the option of renting a car for the duration of the meeting if you plan to do any type of off-site touring or plan to extend your stay.

The airport transportation service will be provided by Integrity Transportation, which in our experience this summer provided outstanding service. You will need to make advance reservations for your arrival/departure. You will need all of your flight information when making the reservation. Travel time between Tucson International Airport and the Hilton El Conquistador is approximately 45 minutes. This transportation is exclusive to the WSSA and provides non-stop service to/from the Hilton El Conquistador. Please look for staff holding a “WSSA” sign at the base of the escalator leading to baggage claim. This shuttle is available from 2/3/16 to 2/10/16.

Here is the reservation link:  
<https://integritytucson.com/reservations/wssa/>



Desert Flowers in Bloom, courtesy of Randy Prentice



# Registration Form

Print or type name clearly *as you wish it to appear on your badge*. One form per registrant (only a spouse/guest may be included on the same form). Spouse/guest must be registered in order to attend the WSSA reception on Monday evening.

First Name \_\_\_\_\_ Last Name \_\_\_\_\_ Affiliation \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_  
 Emergency Contact \_\_\_\_\_ Phone \_\_\_\_\_  
 Please Specify Any Special Needs \_\_\_\_\_  
 Spouse/Guest Name (if registering) \_\_\_\_\_

**Registration Type - All registration payments in US dollars.**

	Early Bird – Dec. 9	Dec. 10 - Jan. 6	Jan. 7 & after	Subtotals
WSSA Member*	\$400	\$500	\$600	\$ _____
Non-Member*	\$500	\$600	\$700	\$ _____
WSSA Student Member**	\$125	\$125	\$125	\$ _____
Guest*	\$75	\$75	\$75	\$ _____
WSSA Emeritus/Retired Fellow***	Complimentary	Complimentary	Complimentary	\$ _____

**One-Day Registration**

Tuesday	\$175	\$ _____
Wednesday	\$175	\$ _____
Thursday	\$175	\$ _____

*Registration includes the Awards Reception on Monday evening.*

\*\* *Student registration includes attendance at the Awards Reception, the Graduate Student Luncheon and 2017 WSSA student membership.*

\*\*\* *WSSA Emeritus or Retired Fellows may register for the annual meeting without a registration fee. Registration for this group includes the Awards Reception on Monday evening.*

**Special Events - Optional**

Desert Museum	\$ 65 per person	No. _____	\$ _____
Golf Tournament, Regular	\$ 85 per person	No. _____	\$ _____
Golf Tournament, Student	\$ 45 per person	No. _____	\$ _____

*Please indicate the members of your foursome, if known.*

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**Total for Registration and Optional Events** \$ \_\_\_\_\_

**Forms of Payment**

MasterCard  VISA  American Express  Discover

Credit Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Print Name on Card \_\_\_\_\_

Signature \_\_\_\_\_

**Do not send cash. Please make checks payable to "WSSA." All fees must be paid in US funds and drawn on US banks.**

**Cancellation Policy**

Written notice of cancellation received on or before January 13, 2017 will be refunded minus a \$50 processing fee. No refunds will be issued for cancellations after January 13, 2017. Substitution of registrants is allowed.

**Return Form**

WSSA, Meeting Registration, 810 East 10th Street, Lawrence, KS 66044

Fax: WSSA at 785-843-6153

