

PROGRAM GUIDE




2012 APS
Annual Meeting
August 4–8
Providence, RI

Communicating Science



Photo courtesy of PWC8

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Welcome

Welcome to the 2012 APS Annual Meeting in Providence, Rhode Island!

OUR NEW LOOK CONTINUES! Based on the success of our new program guide and program resource book, we are continuing these new formats for 2012.

The Program Guide—a light and handy guide that includes the program schedule, general meeting information, highlights, exhibition, posters, and pages at the back for taking notes.

The Program Resource Book—provides session and poster content, recognition, exhibitor information, and author index.

We hope you find these new formats a convenient way to navigate the annual meeting. We look forward to your response to these changes as we strive to make the annual meeting the best it can be for those who attend.

Thank you to EnviroLogix for Sponsoring this Program Guide.



GENERAL INFORMATION

App into the 2012 Annual Meeting!

Mobile App—New in 2011, Improved for 2012, Connect Now to the Meeting!

Back for a second year, the mobile app is improved with more options for you to stay connected. The app continues to allow you to:

- Browse the Program Guide, exhibitor list, posters, and general information
- Get the latest meeting announcements
- Select sessions from the Program Guide to be added to your customized schedule or go to My Meeting and add customized schedule items
- Access session information, including full abstracts
- Add exhibitors to your to-do list

New features for 2012:

- Browse and connect with other attendees: send messages and make appointments with them from the app
- Access poster presenters' audio preview of their poster (Internet access required)
- Using an iPad, connect with your iPad-specific version

Get the app...**it's free!** Available for iOS (iPhone and iPad) and Android devices; Blackberry users have access to a mobile website that will offer the same functionality.

Search the app store for APS 2012; Blackberry users go to mobileapp.apsnet.org.



Registration Hours

Hall C Prefunction Area, Convention Center

Saturday, August 4	12:00 – 6:00 p.m.
Sunday, August 5	7:00 a.m. – 6:30 p.m.
Monday, August 6	7:00 a.m. – 4:30 p.m.
Tuesday, August 7	7:00 a.m. – 5:00 p.m.
Wednesday, August 8	7:30 a.m. – 1:00 p.m.

Exhibit and Poster Hours

Hall C Prefunction Area, Convention Center

Sunday, August 5

8:00 a.m. – 3:00 p.m.	Exhibit Set-Up
12:00 – 3:00 p.m.	Poster Set-Up
4:30 – 6:30 p.m.	Welcome Reception with Exhibition and Posters
4:30 – 8:00 p.m.	Poster Viewing

Monday, August 6

7:30 a.m. – 8:00 p.m.	Poster Viewing
10:00 a.m. – 6:00 p.m.	Exhibits Open

Tuesday, August 7

7:30 a.m. – 8:00 p.m.	Poster Viewing
10:00 a.m. – 5:00 p.m.	Exhibits Open
1:00 – 5:00 p.m.	Poster Viewing with Authors Present

New in 2012! All poster authors time will take place from 1:00 to 5:00 p.m. If you are presenting more than one poster during the same time period, please leave a note to indicate the other poster board(s) where you can be found.

1:00 – 2:00 p.m. Posters 1 – 319

Even-numbered poster authors present

2:00 – 3:00 p.m. Posters 1 – 319

Odd-numbered poster authors present

3:00 – 4:00 p.m. Posters 320 – 633

Even-numbered poster authors present

4:00 – 5:00 p.m. Posters 320 – 633

Odd-numbered poster authors present

Wednesday, August 8

8:00 – 10:00 a.m. Exhibit Take-Down

8:00 – 10:00 a.m. Poster Take-Down

Concession Service Available

A variety of breakfast items, beverages, snacks, and lunch items will be available for purchase at the convention center at the Metro Café (3rd level) and Terrace Café (4th level).

Sunday, August 5 9:30 a.m. – 2:00 p.m.

Monday, August 6 7:30 a.m. – 3:30 p.m.

Tuesday, August 7 7:30 a.m. – 4:00 p.m.

Wednesday, August 8 7:30 a.m. – 3:30 p.m.



Photo courtesy Marianne Lee

2012 Abstracts—Available Online, on the Mobile App, and at Printing Stations

Searchable abstracts are available at www.apsnet.org/meet, on the mobile app, and at abstract printing stations provided in the Exhibit Hall and meeting room areas for your convenience.

Create New Job/Candidate Connections

The meeting is the perfect venue for making these critical connections for your job/candidate search. Start off by posting copies of your job on the Job Board by registration. A one-on-one opportunity is also available on Monday, August 6, during the Early Career Professionals Social, where candidates can hear first-hand from employers about various opportunities. Don't forget, the *APSnet* Job Center provides access year-round.

Foundation Celebrates 25 Impressive Years!

25 years ago, the APS Foundation set out on a journey to create possibilities for plant pathology. Now, with the help of more than 1,700 donors, who've provided an impressive \$1.7 million in funding, the foundation is offering significant support. More than 95% of all donations go directly back to plant pathology, resulting in 600 awards totaling nearly \$430,000 since its inception, a real success story! Join in this extraordinary effort. Stop by the APS Foundation booth (near registration) anytime during the meeting and learn more about the amazing work it does and how you can become involved. Enjoy the anniversary celebration, with cake and refreshments, on Monday, August 6, 2012, 3:00–4:30 p.m., and make sure to sign the APS Foundation Anniversary banner.



Make Your Bid for Global Awareness!

If you are looking for a gift to bring home for your family and friends and want your purchase to have an impact, then make a bid on the wide array of hand-picked items from across the globe during the APS Office of International Programs Annual Silent Auction. Bids will be taken on Sunday, August 5, from 12:00 to 6:00 p.m. This unique fundraising event supports the OIP Global Experience Program!

Share Your Experience

A world-class meeting like this is exciting; connect and share your experience using social media! Tweet (and search for others' tweets) using the hashtag #aps12, upload videos to www.youtube.com/plantdisease, pin to the Pinterest board at www.pinterest/plantdisease, or visit the APS Facebook page to create discussions, share photos, make comments, and post videos.

See What's New and On Sale in the APS PRESS Bookstore!

Check out new books, including the new edition of the *Illustrated Dictionary of Mycology, Fusarium Wilts of Greenhouse Vegetable and Ornamental Crops, Smut Fungi of the World, Applications of Information Theory to Epidemiology*, the John Niederhauser memoir, and the new best-selling undergrad textbook from Schumann and D'Arcy—*Hungry Planet: Stories of Plant Diseases*. Plus preorder *Tomato Health Management* at special savings. See what's coming from APS for your iPad and Kindle and check out the new t-shirts. If you have a book or product idea, APS PRESS wants to hear about it and can help you publish your work and make it known to plant pathologists worldwide.

Open Meeting Room

A small meeting room is available for use throughout the meeting at both the Convention Center and at the Westin Hotel. To check availability and location and to reserve a room, stop by the Registration Desk.

Photo Release

Photographs will be taken during the meeting. By registering for this meeting, you agree to allow APS to use your photo in any of its publications or on its website and membership materials.

Dress

The official dress for the meeting is business casual.

Meeting Facilities

The Rhode Island Convention Center

1 Sabin Street, Providence, RI 02903
401.458.6000

Westin Providence

One West Exchange Street
Providence, RI 02903
401.598.8000

Courtyard by Marriott

32 Exchange Terrace at Memorial Blvd.
Providence, RI 02903
401.272.1191

Biltmore Hotel

11 Dorrance Street,
Providence, RI 02903
401.421.0700

Hilton Hotel

21 Atwells Avenue
Providence, RI 02903
401.831.3900

MEETING HOTELS AND CONVENTION CENTER

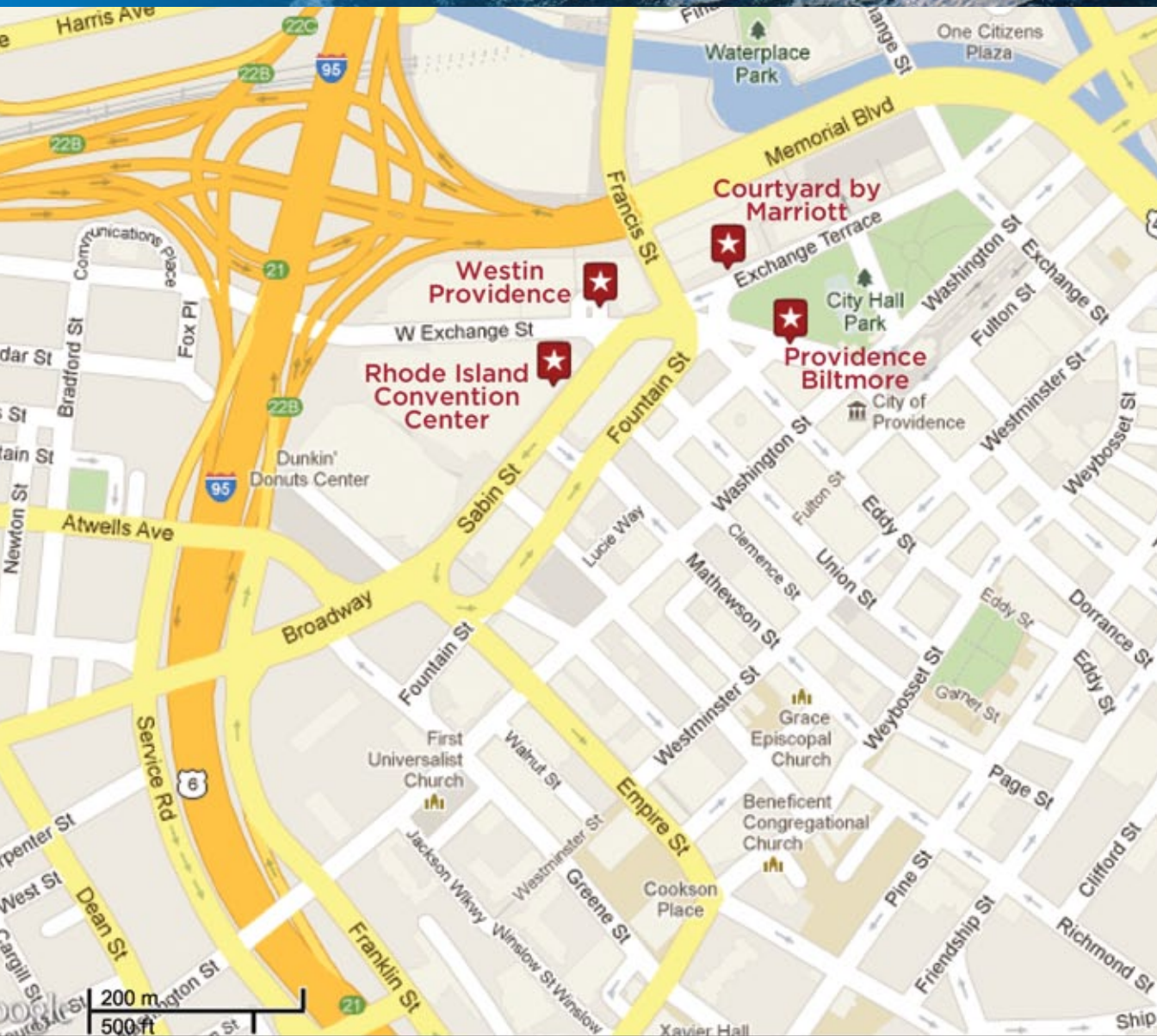


Photo courtesy of PWCVB

DAILY MEETING SCHEDULE AND SESSIONS

The meeting takes place at The Rhode Island Convention Center (CC) and the Westin Hotel (W).

■ SATURDAY, AUGUST 4

7:45 a.m. – 5:30 p.m.	Field Trip: Ornamental	Offsite
8:00 a.m. – 4:30 p.m.	Field Trip: Turfgrass	Offsite
8:00 a.m. – 4:30 p.m.	Leadership Opportunity: Leadership Institute II— Working with Others	Ballroom C, CC
8:00 a.m. – 5:00 p.m.	Workshop: Fungicide Resistance Development in North America for the 21st Century (<i>continued from Friday</i>)	Narragansett A, W
8:00 a.m. – 5:00 p.m.	Field Trip: Pests, Protection, and Politics of the North American Cranberry	Offsite
9:30 a.m. – 5:30 p.m.	Field Trip: New England Fungal Foray	Offsite
10:00 a.m. – 1:00 p.m.	Leadership Opportunity: Leadership Institute: Understanding Your Behavioral Style, <i>sponsored by Monsanto</i>	South County, W
11:30 a.m. – 1:30 p.m.	Office of International Programs (OIP) Board Meeting	Exec. Board Room, W
11:30 a.m. – 2:30 p.m.	APS PRESS Board Meeting	Bristol, W
12:00 – 6:00 p.m.	Registration	Prefunction Area, CC
1:00 – 4:00 p.m.	Workshop: Introduction to Phylogenetic Tree-Building	Providence BR II, W
1:00 – 4:30 p.m.	Postharvest Discussion Meeting	Ballroom E, CC
1:00 – 6:00 p.m.	Workshop: Mixed Models for Analysis of Factorials in Plant Pathology	Providence BR I, W
2:30 – 5:00 p.m.	Publications Board Meeting	Exec. Board Room, W
3:00 – 4:30 p.m.	Committee Chair/Vice Chair Orientation	Newport, W
4:00 – 6:00 p.m.	Microbial Forensics Interest Group	South County, W
4:30 – 5:30 p.m.	First Timers' Orientation	556, CC
5:00 – 6:30 p.m.	<i>PDMR</i> Editors' Meeting	Bristol, W
6:30 – 8:00 p.m.	Committee Meetings	
	· Biological Control Committee	Blackstone, W
	· Epidemiology Committee	Washington, W
	· Extension Committee	Providence BR II, W
	· Host Resistance Committee	Newport, W
	· Industry Committee	Bristol, W
	· Mycotoxicology Committee	Kent, W
	· Nematology Committee	Waterplace BR I, W
	· Seed Pathology Committee	Waterplace BR II, W
	· Soil Microbiology and Root Diseases Committee	Waterplace BR III, W
	· Turfgrass Pathology Committee	South County, W
	· Virology Committee	Narragansett B, W
8:00 – 9:30 p.m.	Committee Meetings	
	· Bacteriology Committee	Exec. Board Room, W
	· Chemical Control Committee	Washington, W
	· Crop Loss Assessment and Risk Evaluation (CARE) Committee	Waterplace BR III, W
	· Early Career Professionals Committee	Waterplace BR II, W
	· Forest Pathology Committee	Bristol, W
	· Genetics Committee	Providence BR II, W
	· Graduate Student Committee	Narragansett B, W
	· Molecular and Cellular Phytopathology Committee	Kent, W
	· Mycology Committee	South County, W
	· Plant Pathogen and Disease Detection Committee	Newport, W
	· Teaching Committee	Blackstone, W
	· Vector-Pathogen Complexes Committee	Waterplace BR I, W

DAILY MEETING SCHEDULE AND SESSIONS

■ SUNDAY, AUGUST 5

*The meeting takes place at The Rhode Island Convention Center (CC) and the Westin Hotel (W).
See the Program Resource Book for Special and Technical Session Presentations.*

7:00 – 9:00 a.m.	APSnet Education Center Editorial Board Meeting	Exec. Board Room, W
7:00 – 9:00 a.m.	Vegetable Seed Industry Breakfast, <i>by invitation</i>	Narragansett A, W
7:00 a.m. – 6:30 p.m.	Registration	Prefunction Area, CC
8:00 – 8:30 a.m.	Moderator Orientation	555, CC
8:00 – 9:00 a.m.	Leadership Institute Committee Meeting	Blackstone, W
8:00 – 9:00 a.m.	<i>Phytopathology</i> Senior Editors' Meeting	Providence BR I, W
8:00 – 9:00 a.m.	<i>Plant Disease</i> Senior Editors' Meeting	Providence BR II, W
8:00 – 10:00 a.m.	Awards and Honors Committee Meeting, <i>by invitation</i>	554 A, CC
8:00 a.m. – 3:00 p.m.	Exhibit Set-Up	Hall BC, CC
8:30 – 10:00 a.m.	Committee Meetings	
	· Biotechnology Committee	554 B, CC
	· Collections and Germplasm Committee	550 B, CC
	· Committee for Diversity and Equality	Waterplace BR II, W
	· Diagnostics Committee	Waterplace BR I, W
	· Diseases of Ornamental Plants Committee	Kent, W
	· Emerging Diseases and Pathogens Special Committee, <i>by invitation</i>	Newport, W
	· Integrated Plant Disease Management Committee	Washington, W
	· Pathogen Resistance Committee	553, CC
	· Phyllosphere Microbiology Committee	551, CC
	· Postharvest Pathology Committee	552, CC
	· Regulatory Plant Pathology Committee	South County, W
	· Tropical Plant Pathology Committee	Waterplace III, W
9:00 – 10:00 a.m.	<i>Phytopathology</i> Editorial Board Meeting	Providence BR I, W
9:00 – 10:00 a.m.	<i>Plant Disease</i> Editorial Board Meeting	Providence BR II, W
10:30 a.m. – 12:00 p.m.	Opening General Session and Awards & Honors Ceremony	Ballroom A, CC
12:00 – 1:00 p.m.	Lunch Break (<i>with concessions in Convention Center</i>)	
12:00 – 2:00 p.m.	Division Officers' Luncheon	Bristol, W
12:00 – 3:00 p.m.	Poster Set-Up	Hall BC, CC
12:00 – 6:00 p.m.	APS-OIP Silent Auction	Prefunction Area, CC
12:30 – 2:30 p.m.	Office of Electronic Communication (OEC) Board Meeting	Exec. Board Room, W
	Technical Sessions	
1:00 – 2:15 p.m.	· Chemical Control 1	555, CC
1:00 – 2:15 p.m.	· Oomycete Biology	556, CC
1:00 – 2:15 p.m.	· Virus Management	Ballroom C, CC
	Special Sessions	
1:00 – 4:00 p.m.	· Emerging Tools and Regulations Impacting the Enhancement of Disease Resistance Using Biotechnology	Ballroom B, CC
1:00 – 4:00 p.m.	· Genetics, Genomics, and Proteomics Approaches to Elucidate Arthropod-Vector Specificity	Ballroom D, CC
1:00 – 4:00 p.m.	· The National Clean Plant Network: Ensuring Disease-Free, Vegetatively Propagated Fruit Tree Planting Stock	551, CC
1:00 – 4:00 p.m.	· Resolving the Species-Population Interface in Asexual Fungi: New Tools to Address an Old Problem	552, CC
1:30 – 2:30 p.m.	PMN Oversight Committee Meeting, <i>by invitation</i>	550 B, CC
2:00 – 4:00 p.m.	APS Nominations Committee Meeting	Kent, W
2:30 – 3:30 p.m.	<i>Plant Health Progress</i> Editorial Board Meeting, <i>by invitation</i>	Exec. Board Room, W

continued



2:45 – 3:30 p.m.	Technical Sessions	
2:45 – 3:30 p.m.	· Liberibacter Biology	556, CC
2:45 – 4:00 p.m.	· IPM 1	Ballroom C, CC
4:00 – 4:45 p.m.	· Host Resistance	555, CC
	University Alumni Socials	Narragansett Ballroom, W
	· Cornell University	
	· Iowa State University	
	· Louisiana State University	
	· Michigan State University	
	· North Carolina State University	
	· The Ohio State University	
	· Oklahoma State University	
	· Old West Trails	
	· Oregon State University	
	· The Pennsylvania State University	
	· University of Arkansas	
	· University of California-Davis	
	· University of Florida	
	· The University of Georgia	
	· University of Illinois	
	· University of Minnesota	
	· University of Wisconsin	
	· Washington State University	
4:30 – 6:30 p.m.	APS PRESS Bookstore	Hall BC, CC
4:30 – 6:30 p.m.	Welcome Reception with Exhibition and Posters	Hall BC, CC
4:30 – 8:00 p.m.	Extended Time! Poster Viewing	Hall BC, CC
6:15 – 9:30 p.m.	Industry & Extension Social—New England Cuisine by the Sea	Offsite, Squantum Association
	<i>(buses depart from the Sabin Street entrance of the Convention Center, plan to arrive a minimum of 15 minutes prior to the time listed for boarding)</i>	
7:00 – 8:30 p.m.	Office of Education Board Meeting	Exec. Board Room, W



DAILY MEETING SCHEDULE AND SESSIONS

■ MONDAY, AUGUST 6

The meeting takes place at The Rhode Island Convention Center (CC) and the Westin Hotel (W).
See the Program Resource Book for Special and Technical Session Presentations.

6:30 – 8:00 a.m.	Extension Plant Pathologists' Breakfast	Narragansett A, W
7:00 a.m. – 12:00 p.m.	APS Foundation Board Meeting, <i>by invitation</i>	Bristol, W
7:00 a.m. – 12:00 p.m.	Public Policy Board Meeting	Providence I, W
7:00 a.m. – 4:30 p.m.	Registration	Prefunction Area, CC
7:30 a.m. – 8:00 p.m.	Poster Viewing	Hall BC, CC
	Technical Sessions	
8:30 – 9:30 a.m.	· Fungal Biology 1	556, CC
8:30 – 9:45 a.m.	· Epidemiology	Ballroom D, CC
8:30 – 9:45 a.m.	· New Insights into the Disease Triangle	Ballroom E, CC
	Special Sessions	
8:30 – 10:30 a.m.	· New Products and Services	Ballroom C, CC
8:30 – 11:30 a.m.	· 12th I. E. Melhus Graduate Student Symposium: Host Plant Resistance and Disease Management: Current Status and Future Outlook	551, CC
8:30 – 11:30 a.m.	· Advances in Detection Technologies: Application in Plant Pathogen and Disease Detection	Ballroom B, CC
8:30 – 11:30 a.m.	· Exploring the Micropolis: Sampling, Identifying, and Analyzing the Diversity of Microbial Communities	552, CC
8:30 – 11:30 a.m.	· Unifying Concepts in Plant and Animal Vector Biology	555, CC
9:00 – 11:00 a.m.	APS Associated Organizations Meeting	South County, W
10:00 a.m. – 6:00 p.m.	APS PRESS Bookstore	Hall BC, CC
10:00 a.m. – 6:00 p.m.	Exhibits Open	Hall BC, CC
	Technical Sessions	
10:15 – 11:30 a.m.	· Ecology and Epidemiology of Rhizosphere Pathogens	Ballroom D, CC
10:15 – 11:30 a.m.	· Fungal Biology 2	556, CC
10:15 – 11:30 a.m.	· Pathogen Diversity	Ballroom E, CC



10:30 a.m. – 12:00 p.m.	APS-Public Policy Board Open Forum on Hot Topics	Providence I, W
11:30 a.m. – 1:00 p.m.	Graduate Student & Industry Lunch	Narragansett A, W
11:30 a.m. – 1:00 p.m.	Lunch Break (<i>with concessions in Convention Center</i>)	
11:30 a.m. – 1:00 p.m.	Past Presidents' Lunch, <i>by invitation</i>	Newport, W
11:30 a.m. – 1:00 p.m.	Storkan-Hanes-McCaslin Research Foundation Luncheon, <i>by invitation</i>	Washington, W
11:30 a.m. – 1:00 p.m.	Widely Prevalent Fungi Working Group	554 B, CC
12:00 – 1:00 p.m.	USDA-ARS Meeting (<i>brown bag lunch</i>)	553, CC
1:00 – 3:00 p.m.	Plenary Session—Communicating Science	Ballroom A, CC
3:00 – 4:30 p.m.	25th Anniversary of the APS Foundation – Foundation Booth <i>Join the foundation for cake and beverages</i>	Prefunction Area, CC
	Technical Sessions	
3:15 – 4:30 p.m.	· Bacterial Biology	Ballroom C, CC
3:15 – 4:30 p.m.	· IPM 2	552, CC
3:15 – 4:30 p.m.	· Molecular Fungi and Bacteria	555, CC
3:15 – 4:30 p.m.	· Molecular Resistance	556, CC
3:15 – 4:30 p.m.	· Vectors and Vectored Pathogens	Ballroom E, CC
3:15 – 4:45 p.m.	· Detection and Diagnosis	551, CC
3:15 – 4:45 p.m.	· Fungicide Resistance 1	Ballroom B, CC
3:15 – 4:45 p.m.	· New and Emerging Diseases 1	Ballroom D, CC
3:30 – 5:00 p.m.	APS Divisional Forum	550 B, CC
3:30 – 5:00 p.m.	International Society Relations Meeting	Newport, W
3:30 – 5:00 p.m.	Diagnostics Working Group	Waterplace II, W
4:45 – 5:45 p.m.	NPDN Town Hall Meeting	553, CC
5:00 – 6:30 p.m.	Early Career Professionals' Social with Employer Networking Opportunity	Bristol, W
5:00 – 6:30 p.m.	Graduate Student Social	Ballroom A – Prefunction Area, CC
7:00 – 10:00 p.m.	Ornamental Virus Discussion Group	South County, W

continued



DAILY MEETING SCHEDULE AND SESSIONS

■ TUESDAY, AUGUST 7

The meeting takes place at The Rhode Island Convention Center (CC) and the Westin Hotel (W).
See the Program Resource Book for Special and Technical Session Presentations.

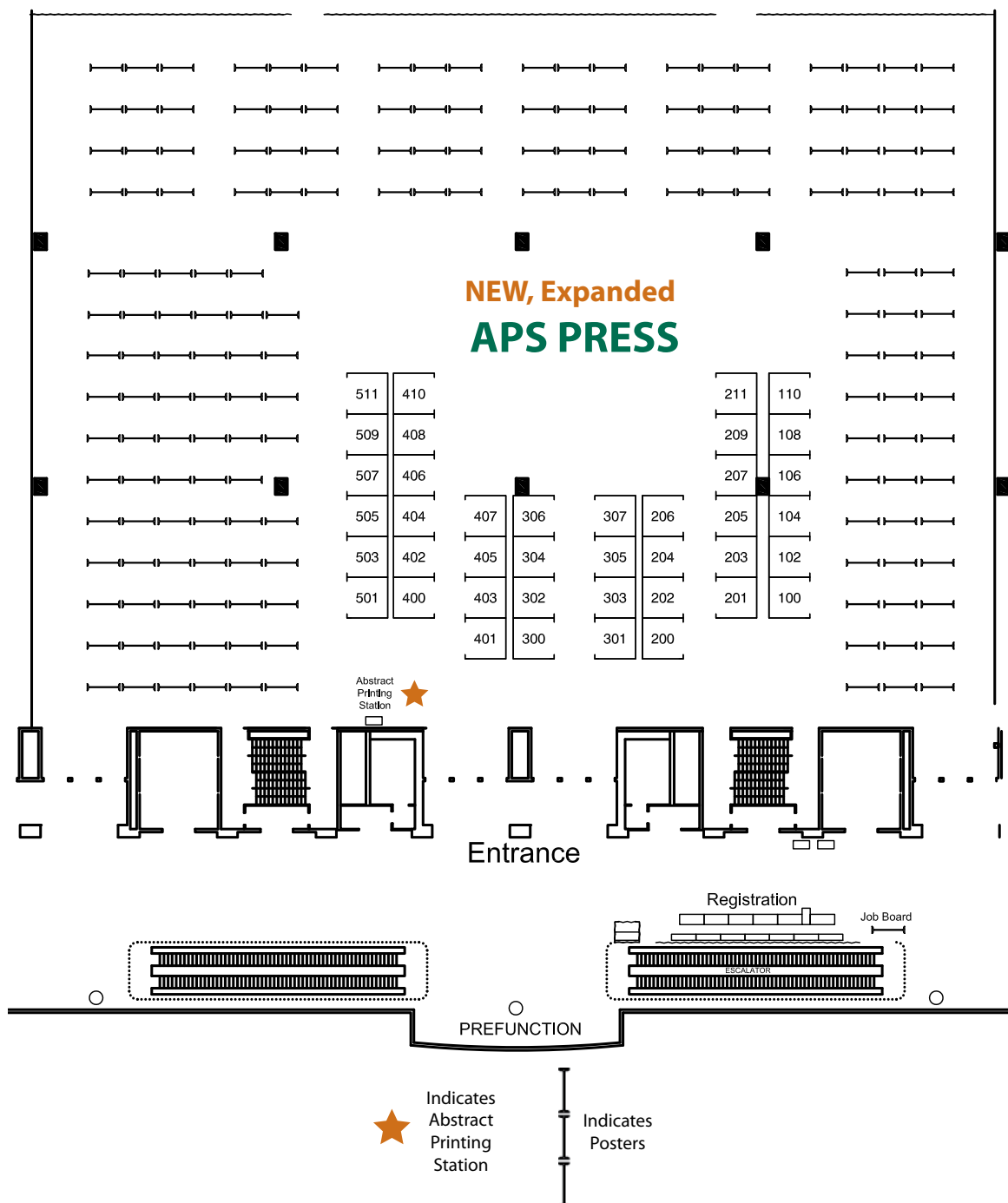
7:00 – 8:30 a.m.	Sustaining Associates' Breakfast, <i>by invitation</i>	Bristol, W
7:00 – 9:00 a.m.	Annual Meeting Board Meeting	550, CC
7:00 a.m. – 12:00 p.m.	Department Heads' Breakfast and Meeting	South County, W
7:00 a.m. – 5:00 p.m.	Registration	Prefunction Area, CC
7:30 – 9:00 a.m.	Small Fruit Diseases Workers Discussion	553, CC
7:30 a.m. – 8:00 p.m.	Poster Viewing	Hall BC, CC
8:00 a.m. – 6:00 p.m.	Workshop: Reaching Out: Sharing Innovative Approaches for Identification and Control of Turfgrass Diseases	Narragansett A, W
	Technical Sessions	
8:30 – 9:45 a.m.	· Bacterial Etiology and Ecology	552, CC
8:30 – 9:45 a.m.	· Biological Control	Ballroom E, CC
8:30 – 9:45 a.m.	· Liberibacter and Psyllid Biology	555, CC
8:30 – 9:45 a.m.	· New and Emerging Diseases 2	556, CC
	Special Sessions	
8:30 – 11:30 a.m.	· Issues and Opportunities in Regulatory Sciences at EPA	551, CC
8:30 – 11:30 a.m.	· It's a Mixed Up World: Hybridization and Horizontal Gene Transfer in Plant Pathogens and Endophytes	Ballroom B, CC
8:30 – 11:30 a.m.	· <i>Potato virus Y</i> —An Old Virus and a New Problem in Potato	Ballroom C, CC
8:30 – 11:30 a.m.	· Thousand Cankers Disease: A Threat to Eastern Black Walnut Throughout Its Native Range and Beyond	Ballroom D, CC
10:00 a.m. – 5:00 p.m.	APS PRESS Bookstore	Hall BC, CC
10:00 a.m. – 5:00 p.m.	Exhibits Open	Hall BC, CC
	Technical Sessions	
10:15 – 11:30 a.m.	· Biological Control, IPM, and Sanitation	Ballroom E, CC
10:15 – 11:30 a.m.	· Chemical Control 2	555, CC
10:15 – 11:30 a.m.	· Diseases of Ornamentals	556, CC
10:15 – 11:30 a.m.	· Molecular Bacteria	552, CC
11:30 a.m. – 1:00 p.m.	Lunch Break (<i>with concessions in Convention Center</i>)	
11:30 a.m. – 1:00 p.m.	<i>Phytopathology News</i> Advisory Committee Meeting	Centro Restaurant, W
12:00 – 1:00 p.m.	Orange Rust Sugarcane Meeting (<i>brown bag lunch</i>)	550 B, CC
12:00 – 1:00 p.m.	APHIS Widely Prevalent Virus Committee Meeting, <i>by invitation</i>	554 B, CC
12:00 – 1:30 p.m.	APHIS Widely Prevalent Bacteria Committee Meeting, <i>by invitation</i>	Kent, W
1:00 – 5:00 p.m.	Poster Viewing with Authors	Hall BC, CC
	<i>1:00 – 2:00 p.m. Posters 1 – 319 (even-numbered poster authors present)</i>	
	<i>2:00 – 3:00 p.m. Posters 1 – 319 (odd-numbered poster authors present)</i>	
	<i>3:00 – 4:00 p.m. Posters 320 – 633 (even-numbered poster authors present)</i>	
	<i>4:00 – 5:00 p.m. Posters 320 – 633 (odd-numbered poster authors present)</i>	
1:30 – 4:00 p.m.	Office of Public Relations & Outreach (OPRO) Board Meeting	550 B, CC
3:30 – 5:00 p.m.	Presidential Meeting of Plant Pathology Organizations, <i>by invitation</i>	Newport, W
5:30 – 8:30 p.m.	Leadership Opportunity and Social: Committee for Diversity and Equality presents “Kaleidoscope: Unity in Diversity”	Offsite, RaRa's Pub

■ WEDNESDAY, AUGUST 8

The meeting takes place at The Rhode Island Convention Center (CC) and the Westin Hotel (W).
See the Program Resource Book for Special and Technical Session Presentations.

7:00 – 8:30 a.m.	Food Safety Interest Group	Bristol, W
7:30 a.m. – 1:00 p.m.	Registration	Prefunction Area, CC
8:00 – 9:30 a.m.	APS-CSPP Working Group Meeting	550 B, CC
8:00 – 10:00 a.m.	Exhibit Take-Down	Hall BC, CC
8:00 – 10:00 a.m.	Poster Take-Down	Hall BC, CC
8:00 – 10:00 a.m.	Office of International Programs (OIP) Board Meeting	554 B, CC
8:00 – 11:00 a.m.	APS PRESS Bookstore	Hall BC, CC
	Technical Sessions	
8:30 – 9:45 a.m.	· Fungicide Resistance 2	Ballroom C, CC
8:30 – 9:45 a.m.	· Molecular Fungi and Oomycetes Gene Expression	556, CC
8:30 – 9:45 a.m.	· Viral Biology 1	Ballroom E, CC
	Special Sessions	
8:30 – 11:30 a.m.	· Bioenergy Crops and Disease	551, CC
8:30 – 11:30 a.m.	· Grafting as an Alternative to Soil Fumigation for Disease Management in Vegetable Production	Ballroom B, CC
8:30 – 11:30 a.m.	· International Perspective on Fusarium Head Blight	552, CC
8:30 – 11:30 a.m.	· “Left of Boom!” Information: Form, Content, and Use in Epidemic Prediction	Ballroom D, CC
8:30 – 11:30 a.m.	· New Insights into the Virulence Mechanism of Plant-Pathogenic Bacteria	555, CC
9:00 – 11:00 a.m.	Office of Industry Relations (OIR) Board Meeting	South County, W
9:30 – 11:30 a.m.	2013 Annual Meeting Program Planning Meeting	557, CC
	Technical Sessions	
10:15 – 11:15 a.m.	· Molecular Fungi	556, CC
10:15 – 11:30 a.m.	· Plant Defense Response, Climate Change, and Abiotic Effects	Ballroom C, CC
10:15 – 11:30 a.m.	· Viral Biology 2	Ballroom E, CC
10:30 a.m. – 12:00 p.m.	APS Financial Advisory Committee Meeting	554 B, CC
11:30 a.m. – 1:00 p.m.	Lunch Break (<i>with concessions in Convention Center</i>)	
11:30 a.m. – 1:00 p.m.	Northeast Division Business Meeting/Awards Ceremony	Kent, W
12:00 – 2:00 p.m.	APS Council Meeting	554 B, CC
	Technical Sessions	
1:00 – 2:15 p.m.	· IPM 3	556, CC
1:00 – 2:15 p.m.	· Virus Diseases	Ballroom E, CC
	Special Sessions	
1:00 – 4:00 p.m.	· Everything a Scientist Should Know About Politics, Funding, and Public Opinion	Ballroom B, CC
1:00 – 4:00 p.m.	· Fungicides to Promote Plant Physiological Benefits in Crops	551, CC
1:00 – 4:00 p.m.	· Pathogen Effectors and Host Targets	552, CC
1:00 – 4:00 p.m.	· Practice and Management of Microbial and Plant Germplasm Collections	Ballroom C, CC
1:00 – 4:00 p.m.	· Right of the Boom: Deciding to Act, React, or Let Go in a Fluid Data Environment	Ballroom D, CC
1:00 – 4:00 p.m.	· Schroth Faces of the Future—New Frontiers in Plant Bacteriology	555, CC
	Technical Sessions	
2:45 – 4:00 p.m.	· Diseases of Biofuel Crops and Postharvest Pathology	556, CC
2:45 – 4:00 p.m.	· Molecular Virology	Ballroom E, CC
5:30 – 6:30 p.m.	Journals Senior Editors’ Reception, <i>by invitation</i>	553 A, CC
6:30 – 9:30 p.m.	Final Night Celebration —The Big Band Theory	Ballroom, CC

EXHIBIT HALL FLOOR PLAN



APS PRESS takes on a NEW Look!

The discussion isn't just for the hallways anymore.....APS PRESS is the new home for communicating science at the annual meeting. Browse new titles, view an e-book demo, purchase a t-shirt, and take advantage of the expanded space to discuss the latest science with your colleagues.

EXHIBITORS

Listed in numerical order.

- 100/201 EnviroLogix Inc.
- 102 British Society for Plant Pathology (The)
- 104 APS Office of Public Relations and Outreach (OPRO)
- 106 Biopesticide Industry Alliance
- 200/301 Agdia Inc.
- 202 DuPont Company
- 203 APS Diagnostics Committee
- 204 Percival Scientific Inc.
- 205 National Plant Diagnostic Network
- 206 AC Diagnostics Inc.
- 207 American Peat Technology LLC
- 209 BigC: Dino Lite Scopes
- 211 2013 APS-MSA Joint Meeting
- 300/401 Bayer CropScience
- 302 Dow AgroSciences LLC
- 303 Conviron
- 304 APS Professional Plant Pathology Consultants
- 305 Gylling Data Management Inc.
- 306 Pressure BioSciences, Inc.
- 307 Spectrum Technologies Inc.
- 400/501 BIOREBA AG/Eurofins STA Laboratories Inc.
- 402 LemnaTec
- 403 BioChambers Incorporated
- 404 Natural Industries Inc.
- 405 USDA APHIS PPQ
- 406/408 PhytoTechnology Laboratories
- 407 APS-ISF Collaboration on Pathogen Strain Identification
- 410 The Samuel Roberts Noble Foundation, Inc.
- 503 Microbiology International
- 505 Environmental Growth Chambers
- 507 APS Public Policy Board (PPB)

See Program Resource Book for exhibitor descriptions.



POSTER SCHEDULE AND CATEGORIES

Taking photographs of poster content is strictly prohibited without permission of the authors. **See the Program Resource Book for poster titles and author information.** For abstracts, visit the abstract printing stations onsite or the meeting website at www.apsnet.org/meetings.

POSTER CATEGORIES

Poster Numbers

Biology of Pathogens

Systematics/Evolution/Ecology – Bacteria-Phytoplasma-Spiroplasma- Fastidious Prokaryote	1 – 27
Systematics/Evolution/Ecology – Fungi	28 – 87
Systematics/Evolution/Ecology – Nematodes	88
Systematics/Evolution/Ecology – Oomycetes	89 – 98
Systematics/Evolution/Ecology – Viruses	99 – 122

Disease Control and Pest Management

Biological Control-IPM-Sanitation	123 – 164
Chemical Control	165 – 204
Cultural Control	205 – 219
Fungicide Resistance	220 – 242
Host Resistance	243 – 282
IPM	283 – 313
Regulatory Plant Pathology	314 – 319

Diseases of Plants

Crop Loss Assessment	320 – 326
Detection and Diagnosis – Bacteria	327 – 333
Detection and Diagnosis – Fungi	334 – 350
Detection and Diagnosis – Nematodes	351 – 353
Detection and Diagnosis – Oomycetes	354 – 361
Detection and Diagnosis – Viruses	362 – 378
New and Emerging Diseases – Bacteria	379 – 395
New and Emerging Diseases – Fungi and Oomycetes	396 – 429
New and Emerging Diseases – Viruses	430 – 445
Plant Stress and Abiotic Disorders	446 – 453

Ecology and Epidemiology

Analytical and Theoretical Plant Pathology	454 – 462
Climate Change and Risk Assessment	463 – 469
Cropping Systems – Sustainability	470 – 483
Pathogen-Vector Interactions	484 – 491
Population Genetics – Bacteria	492 – 495
Population Genetics – Fungi	496 – 509
Population Genetics – Oomycetes	510 – 517
Rhizosphere and Phyllosphere Ecology	518 – 525
Risk Assessment	526 – 539

Molecular/Cellular/Plant-Microbe Interactions

Genetics, Biochemistry, and Cell Biology of Pathogenesis – Bacteria	540 – 549
Genetics, Biochemistry, and Cell Biology of Pathogenesis – Fungi	550 – 560
Genetics, Biochemistry, and Cell Biology of Pathogenesis – Viruses	561 – 567
MPMI – Bacteria	568 – 575
MPMI – Fungi	576 – 589
MPMI – Nematodes and Abiotic Stress	590 – 596
MPMI – Oomycetes	597 – 599
MPMI – Viruses	600 – 609
Plant Defense Responses – Bacteria	610 – 614
Plant Defense Responses – Fungi	615 – 620
Plant Defense Responses – Oomycetes	621 – 626
Plant Defense Responses – Viruses	627

Professionalism/Outreach

Outreach and Engagement	628 – 630
Teaching and Learning	631 – 633



MEETING HIGHLIGHTS

Opening General Session and Awards & Honors Ceremony

Sunday, August 5, 10:30 a.m. – 12:00 p.m.; Convention Center, Ballroom A

This is your official welcome to the 2012 APS Meeting! Connect with friends and fellow scientists from around the world as we recognize members with awards and honors for their work throughout the year. Hear about accomplishments and goals for APS from your leaders, honor those who have left our ranks in the past year, and learn what is in store at this year's annual meeting.

Plenary Session

Communicating Science

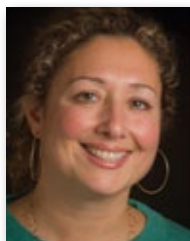
Monday, August 6, 1:00 – 3:00 p.m.; Convention Center, Ballroom A



Valeri Lantz-Gefroh, facilitator

Do you, like many APS members, find it challenging to talk to people outside your immediate circle of colleagues about what you do, why you do it, and why it's important? Do you struggle to find the right words or to keep people interested in what you're saying?

This Plenary Session will support you in becoming a more effective, confident advocate for science and the discipline of plant pathology. APS President Carol Ishimaru will introduce the work of the Center for Communicating Science (CCS) in a presentation on speaking to the public about science. The CCS, which was developed in 2009 by Alan Alda and Stony Brook University's School of Journalism, offers innovative courses and workshops on ways scientists can engage their audiences using clear, vivid language, along with storytelling techniques. Today's session will include demonstrations by APS members who attended a CCS workshop called Improvisation for Scientists and full-group participation in untangling technical materials and making their content meaningful to a range of listeners. Unlike typical public-speaking courses, those developed by the CCS focus participants on the listener, rather than the speaker, thus lifting scientists out of "lecture mode" and onto the two-way path that's essential for effective communication.



Evonne Kaplan Liss, facilitator

Come, have fun, and gain new skills that you will surely find useful!

Final Night CELEBRATION

The Big Band Theory

*Wednesday, August 8, 6:30 – 9:30 p.m.;
Convention Center, Ballroom*

What better way to end the 2012 annual meeting than with a BANG and a BAND! The 2012 Final Night Celebration takes on a different look as we spiff up the décor with the look and feel of a night club from the past. Dine on New England cuisine and take in the big band sounds as we travel back to the days of swing...but stick around because there will also be time for some rock & roll as the night progresses. Looking for a quiet place without the music? We have that too, so you can make that final connection with friends and colleagues before you head home.

Ticket to event and drink ticket are included with full registration. Guests' tickets are available for purchase at the Registration Desk.

