

CONFERENCE PROGRAM

The 63rd Annual Meeting of the IPPS Eastern Region

October 8-11, 2013

Chicago Marriott Naperville, 1801 North Naper Blvd, Naperville, IL 60563

Monday, October 7

2:00–7:00 PM	Eastern Region Board of Directors' Meeting
7:00–9:00 PM	Poster and Display Session set-up (Contact Brian Decker if you would like to present a poster: bdecker@deckersnursery.com or 614.836.2130.)
7:00–9:00 PM	Registration

Tuesday, October 8

6:30–7:00 AM	Registration
7:00 AM–5:00 PM	Choice of Pre-Conference Tours: Chicago Green Infrastructure Tour to Millennium Park Lurie Garden, Aqua Building Green Roof, lunch (on your own) at Navy Pier, C.J. Fiore Nursery and Center for Green Technology. OR Plant Nut Tour to the Chicago Botanic Garden and the Morton Arboretum
3:00–5:00 PM	Poster and Display Session Set-up
5:30–7:00 PM	Welcome Reception at the Chicago Marriott Naperville; appetizers and cash bar
5:30 –7:00 PM	Registration
7:00 PM	Dinner on your own. The hotel is a 5-minute walk from Freedom Commons featuring numerous fine restaurants, retailers and services. The hotel also has 11-passenger shuttles to transport guests within a 5 mile radius of the hotel, which includes scenic downtown Naperville.

Wednesday, October 9

7:30–11:00 AM	Registration
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General Session:

8:00–8:15 AM	Welcome and Introductions Paul Cappiello , President, IPPS Eastern Region, North America
8:15–8:45 AM	Chicago Horticulture - Past and Present Scott Mehaffey , Sage Vertical Garden Systems, Chicago, IL Scott Mehaffey's experience as the City of Chicago's Staff Landscape Architect will provide us with an overview of landscape heritage and trends in Chicago. Scott's knowledge and insights will illustrate that Chicago is truly a green city.

8:45–9:10 AM	<p><i>Double the Ploidy – Double the Fun</i> Joseph Rothleutner, Morton Arboretum, Lisle, IL Joseph Rothleutner is the Tree Improvement Specialist for the new plant development program at the Morton Arboretum. He will discuss polyploidy and explore ploidy manipulation to generate novel, ornamental and sterile selections including methods of inducing polyploidy, measuring ploidy and what makes these plants special.</p>
9:10–9:30 AM	<p><i>New Frontiers in Magnolia Hybridization</i> Dennis Ledvina, Magnolia Breeder, Green Bay, WI Dennis has been breeding magnolias for northern gardens for over 30 years. Currently he has over a thousand hybrids to evaluate for later blooming to avoid late spring frosts, hardiness to be suitable for USDA zones 4-5, extended blooming period, narrow fastigate forms and multi-tepalled red/pink flower color.</p>
9:30–9:40 AM	<p><i>Poster Introduction</i> Brian Decker, Decker's Nursery, Groveport, OH A poster is worth a thousand words. Learn more about plant propagation and production by visiting the poster session.</p>
9:40–10:00 AM	<p>IPPS Awards Presentations David Sanford, Recognition Committee Chair</p>
10:00–10:30 AM	<p>Coffee Break</p>
10:30–10:55 AM	<p><i>Grafting Rhododendrons on pH Neutral Stock</i> Brian Decker, Decker's Nursery, Groveport, OH Owner of Decker's Nursery and master grafter, Brian will present a novel way to propagate Rhododendrons for pH neutral soils.</p>
10:55–11:20 AM	<p><i>Progress in <u>Carpinus caroliniana</u> Propagation and Selection</i> Mike Yanny, J.N. Plant Selections, LLC, Milwaukee, WI Mike has selected and introduced many superior woody plants during his career. His presentation will cover the work he has done over the past 32 years selecting and propagating <i>Carpinus caroliniana</i>. This will include a discussion of seed and grafting propagation as well as seed strain and cultivar selection.</p>
11:20–11:50 AM	<p>Rapid Fire Nursery Tips You are sure to pick up a great new idea from these 5-minute mini-talks!</p>
11:50AM–1:05PM	<p>Lunch Break</p>
1:05–1:35PM	<p><i>Beneficial Insects in Propagation</i> Veronica Cervantes, Biobest-USA, Romulus, MI Veronica is a Biological Crop Protection Specialist with a vast knowledge of beneficial insects. She will explain the basics of biological control of pests in propagation.</p>
1:35–1:55 PM	<p><i>Rooting Microcuttings under LED Lights</i> Jean Marc Versolato, Bailey Nurseries, Cottage Grove, MN Stay on the cutting edge of propagation technology. Mr. Versolato as production manager at Bailey Nursery oversees plant health issues. His presentation will discuss how to use LED lighting to improve plant quality, reduce grower care and increase yields.</p>

- 1:55–2:25PM ***Propagating and Evaluating Hybrid Oaks for Alkaline Soils***
Nina Bassuk, Cornell University, Ithaca, NY
 Professor Nina Bassuk's program has developed over 300 unique hybrid oaks utilizing over 40 diverse parent species have the promise of increasing vigor and better adaptation to urban stress such as alkaline soil. She will describe clonal propagation of these hybrids using a modified etiolated stoolbed method.
- 2:25–2:45PM **Coffee Break**
- 2:45–3:05PM ***Come to Niagara Falls - IPPS 2014!***
Keith Osborne, Gro-Bark (Ontario), Ltd., Milton, ON
- 3:05–3:25PM ***Mechanizing Seedbed Planting***
Nate Maren, Bailey Nurseries, Cottage Grove, MN
 A modern twist on propagation of trees and shrubs in seedbeds.
- 3:25–3:45PM ***Back to the Basics: How We Propagate Plants for Chicago Botanic Garden's Plant Breeding Program***
Jim Ault, Chicago Botanic Garden, Glencoe, IL
 The Chicago Botanic Garden breeding program propagates its new introductions using seed germination, root cuttings, and even old – fashioned plant division. Learn some of the propagation tricks they have learned along the way, as well as get a sneak preview of some of the upcoming introductions.
- 3:45–4:05PM ***Breeding Better Aronia Plants***
Mark Brand, University of Connecticut, Storrs, CT
 Members of the genus *Aronia* have great potential as landscape plants and the black fruited chokeberries have the highest antioxidant levels of any fruit. Mark will discuss the many opportunities for *Aronia* improvement and their complex genetics.
- 4:05–4:25PM ***T and Chip Budding at Kankakee Nursery***
Dick Worth, Kankakee Nursery, Aroma Park, IL
 Dick is a third generation nurseryman and co-owner of Kankakee Nursery. He will explain the art and science of T and Chip budding at his nursery.
- 4:25–4:50PM ***Native Plant Propagation***
Jessica Lubell, University of Connecticut, Storrs, CT
 Lesser known native shrubs represent an area of expansion for the nursery industry. Vegetative propagation is one component of a successful nursery production program for native shrubs. Jessica will cover vegetative propagation techniques for several lesser known native shrubs.
- 4:50–5:30PM ***New Plant Forum***
Moderator: Charles Tubesing, The Holden Arboretum, Kirtland, OH
Enjoy this popular session which gives attendees an opportunity to introduce a new plant. Contact Charles if you have a new plant you would like to present: Ctubesing@holdenarb.org or 440-602-3840 (In keeping with the spirit of the IPPS motto To Seek & To Share, please consider participation in the New Plant Forum as a chance to share and not as an opportunity for commercialism.)
- 5:30PM **Silent Auction** opens for bidding

5:30PM **Evening on your own.** The hotel is a 5-minute walk from Freedom Commons featuring numerous fine restaurants, retailers and services. The hotel also has 11-passenger shuttles to transport guests within a 5 mile radius of the hotel, which includes scenic downtown Naperville.

Thursday, October 10

6:30–7:00 AM Registration

7:00 AM–8:30 PM **Conference Tour** to Midwest Groundcovers, Midwest Trading, Ball Horticultural Company, Hampshire Farms and Hinsdale Nurseries. The tour ends at the Morton Arboretum for dinner and the live plant auction. Buses will return to the Marriott by 8:30PM where final bids can be placed on Silent Auction items while socializing and enjoying a cash bar.

Friday, October 11

7:30–11:00 AM Registration

General Session

8:00–8:10 AM **Welcome and Introductions**
Paul Cappiello, President, IPPS Eastern Region, North America

8:10–8:40 AM ***Basics of How Plant Hormones Work***
Robert Geneve, University of Kentucky, Lexington, KY
Learn how plant hormones work in propagation from one of the country's top propagation scientists. What you need to know about plant hormones for successful propagation.

8:40–9:05 AM ***Living Collections for Sources of New Plants***
Kunso Kim, Morton Arboretum, Lisle, IL
Kunso will highlight how plants are acquired and how they are used for a variety of purposes including the development of new plants.

9:05–9:25 AM ***How We Schedule our Summer Propagation Using FileMaker***
Jeff Lee, Willoway Nurseries, Avon, OH
A cutting edge way of keeping track of propagation. Jeff will present his experience with FileMaker software used at Willoway Nurseries.

9:25–9:55 AM **IPPS Eastern Region Business Meeting**

9:55–10:25 AM **Coffee Break**

10:25–10:55 AM ***Plants of Interest***
Bill Hendricks, Klyn Nurseries, Perry, OH
Bill has been a leader in plant production and new plant varieties. He will share some of his insights on some interesting plants.

10:55–11:25 AM **Rapid Fire Nursery Tips**
More big ideas in mini time slots.

- 11:25–11:50 AM ***Stress, the Silent Killer***
Jim Johnson, Rutgers Cooperative Extension, Millville, NJ
Jim will focus on how stress affects insect, disease and other problems.
- 11:50AM–12:10PM ***Rose Rosette Disease and the Impacts on Propagation***
Chuck Martin, The Dow Gardens, Midland, MI
Rose Rosette Disease is a disease that is spreading throughout the Midwest and is becoming a concern to all rose growers. This disease is an interesting case study of the interaction of host, pathogen and the environment
- 12:10–12:30 PM ***Gibberellins and Cytokinins***
Bill Barnes, Barnes Horticultural Services, Warrington, PA
Gibberellins and Cytokinins are plant hormones that have very specific roles to play in plant development, flowering, fruiting and the formation and germination of seeds. This will be a brief look at what these hormones are and how we can use them for the production of plants.
- 12:30–12:50PM ***Nurseries in Japan: A 20 Minute Tour***
Sharee Solow, S L Solow Horticultural Designs, Elkins Park, PA
With 50 slides from 5 nurseries, Sherry will lead us on a tour of a bonsai nursery in Omiya, a wholesale auction yard, a master pruner's nursery, an international wholesaler in Saitama, and a grafting expert Akira Shibamichi's impressive collections.
- 12:50–1:15PM ***North Dakota State University Cold Climate Breeding***
Todd West, North Dakota State University, Fargo, ND
Todd is the Director of the Wood Plant Improvement Program at NDSU. He will discuss his efforts to breed and select cold hardy plants.

Meeting adjourns.

See you in Niagara Falls, Ontario: September 17-20, 2014!