

WEDNESDAY, MARCH 1



UNIVERSITY OF ILLINOIS
EXTENSION

2017

Gateway
GREEN
INDUSTRY
Conference

*Where Professionals
Come To GROW*

Featuring:

- ◆ Keynote Address by Neil Diboll
- ◆ Four Breakout Sessions
- ◆ Approved CEU's for Professional Development



GATEWAY
CENTER

One Gateway Drive

Collinsville, IL

New in 2017

Early Bird

Session

8:00 - 9:00 a.m.

Keynote Session:

9:00 - 10:30 a.m.

Neil Diboll

Prairie Nursery, Inc.



Prairie and Savanna Plants for Urban and Suburban Gardens

Many of our native prairie flowers and grasses make excellent garden plants. The showy blooms and ornamental textures of the grasses provide so many opportunities to create low maintenance, ecologically sound landscapes that require little or no fertilizers, pesticides and watering. The North American Prairie is dominated by perennials that can be included in "pure prairie" gardens, or mixes with other more traditional perennials. Neil will highlight the showiest and best-behaved prairie plants for creating a wide variety of prairie gardens in small areas.

Early Bird Session: 8:00 - 9:00 a.m.

- A. Dwarf and Unusual Landscape Conifers - Martha Smith**
- B. Jumping Worms - A New Invader in Illinois - Chris Evans**

Breakout Session I - 10:45 - 11:45 a.m.

- C. Five Steps to Successful Prairie Meadow Establishment - Neil Diboll**
- D. Stinging Tree Insects - Phil Nixon**
- E. Caring for a Significant Tree Collection - Ben Chu**
- F. Beyond Hosta-Perennials for the Shade - Martha Smith**

Lunch on Your Own - 11:45 a.m. - 1:00 p.m.

Breakout Session II - 1:00 - 2:00 p.m.

- G. Invasive Plants in the Urban-Rural Interface - Chris Evans**
- H. Insect Pests of Trees - Phil Nixon**
- I. Planning for Fall Blooms - David Robson**
- J. Common Fungal Diseases of Trees and Shrubs - Daniel Raudabaugh**

Breakout Session III: 2:05 - 3:05 p.m.

- K. Getting Your Feet Wet with Rain Gardens - Chris Enroth**
- L. Illinois Big Tree Register Program - Chris Evans**
- M. Trees that Need Special Care - Gary Kling**
- N. Oak Diseases: Exotic, Emerging and Endemic - Diane Plewa**

Breakout Session IV - 3:10 - 4:10 p.m.

- O. Gardening for Pollinators - Chris Enroth**
- P. Native Landscaping Design Styles - Scott Woodbury**
- Q. Selecting Trees for Urban Settings - Gary Kling**
- R. From the Bottom Up - Mark Grueber & Daniel Moncheski**

CEU sheets available immediately following each session.

CONFERENCE SPEAKERS

Ben Chu

Horticulture Supervisor-Japanese Garden and South Garden, Head Arborist, Missouri Botanical Garden

Neil Diboll

Prairie Nursery, Inc., Westfield, WI

Chris Enroth

Horticulture Educator, University of Illinois Extension

Chris Evans

Forestry Extension and Research Specialist, University of Illinois

Mark Grueber

Community Forester, Missouri Department of Conservation

Gary Kling

Associate Professor, Dept. of Crop Sciences, University of Illinois

Daniel Moncheski

Community Forester, Missouri Department of Conservation

Phil Nixon

Extension Specialist, Entomology, University of Illinois Extension

Diane Plewa

Plant Diagnostic Outreach Specialist, University of Illinois

Daniel Raudabaugh

PhD Candidate, Department of Plant Biology, University of Illinois

David Robson

Extension Specialist, PSEP, University of Illinois Extension

Martha Smith

Horticulture Educator, University of Illinois Extension

Scott Woodbury

Curator, Whitmire Wildflower Garden, Shaw Nature Reserve

University of Illinois Extension
Madison-Monroe-St. Clair Extension Unit
1 Regency Plaza Drive, Suite 200
Collinsville, IL 62234

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Collinsville, IL 62234
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ADDRESS SERVICE REQUESTED

Attention!

Featuring in 2017:

- *One-Day Conference
- *Lunch on Your Own
- *Education Program Only
- *8:00 AM Early Bird Session
- *Additional Afternoon Session

University of Illinois offers equal opportunities in programs and employment.

If you need a reasonable accommodation to attend this event, please contact
618-344-4230 prior to 2/15/17.



2017 Gateway Green Industry Conference

Class Descriptions

EARLY BIRD SESSION: 8:00 - 9:00 a.m.

A. Dwarf and Unusual Landscape Conifers – *Martha Smith*

A dwarf plant is so named when compared to its parent. Often we think conifers are only green-needled cone bearing plants that eventually get too big for the spot we planted them in. Many of these large plants have small, diminutive relatives that work well in our landscapes offering great shapes and colors. Let this class serve as your introduction to the world of dwarf and unusual landscape conifers. Martha Smith, University of Illinois Horticulture Educator, will talk of her experiences and offer advice for southern Illinois cultivars and their care.

B. Jumping Worms : A New Invader in Illinois - *Chris Evans*

Jumping worms are a suite of closely-related exotic earthworms that are spreading across Illinois. First found in the state in 2015 in northern Illinois, they now are found scattered across the state in over ten counties. This presentation will review jumping worms and their identification and ecology, and discuss impacts to natural and managed landscapes.

KEYNOTE SESSION: 9:00 - 10:30 a.m.

Prairie & Savanna Plants for Urban and Suburban Gardens – *Neil Diboll*

Many of our native prairie flowers and grasses make excellent garden plants. The showy blooms and ornamental textures of the grasses provide so many opportunities to create low maintenance, ecologically sound landscapes that require little or no fertilizers, pesticides and watering. The North American Prairie is dominated by perennials that can be included in “pure prairie” gardens, or mixes with other more traditional perennials. Neil will highlight the showiest and best-behaved prairie plants for creating a wide variety of prairie gardens in small areas.

BREAKOUT SESSION: 10:45 - 11:45 a.m.

C. Five Steps to Successful Prairie Meadow Establishment - *Neil Diboll*

Prairie meadows and gardens are an increasingly popular alternative to traditional, high maintenance landscapes. Prairies offer lower maintenance costs, require little or no fertilizers and pesticides, and offer high quality habitat for a wide variety of wildlife. Learn the “tried and true” techniques that Neil uses to create small prairie gardens and large prairie meadows in a variety of settings. Neil will discuss the ecology of prairie and grassland ecosystems, highlight some of the best plants for use in gardens and meadows, and illustrate how you can successfully install and manage these beautiful natural flower gardens.

D. Stinging Tree Insects- *Phil Nixon*

Trees commonly harbor stinging insects. These include honey bee and European hornet nests in the trunk, baldfaced hornet and paper wasp nests in the branches, and honey bee swarms on the branches. Their biology, life cycles, and management will be covered in this presentation.

E. Caring for a Significant Tree Collection - *Ben Chu*

Presentation will cover the many aspects of the tree care program at Missouri Botanical Garden and what is necessary to manage a tree collection at a world class botanical garden. Aspects of the tree care program include tree inventory, pest management, site management, tree risk assessment and tree pruning/removal.

F. Beyond Hosta – Perennials for the Shade - *Martha Smith*

30+ years ago what were our choices for a shade garden? Hosta & impatiens! Shade plants were hard to find. As landscapes matured and trees grew, gardeners were faced with SHADE! The industry responded and now we have so many to choose from. Martha Smith, University of Illinois Horticulture Educator, will entice you with some of her favorite shade perennials looking beyond Hosta. She will also cover site selection and first year maintenance – both critical to a shade garden's success.

BREAKOUT SESSION: 1:00 - 2:00 p.m.

G. Invasive Plants in the Urban-Rural Interface - *Chris Evans*

This presentation will focus on impacts of invasive plants on forested ecosystems in urban and rural settings and how arborists, landscape designers, municipal foresters, and others working in the urban forest can influence the introduction and spread of invasive plants through choices in species selection and management efforts. Topics covered include 1.) How invasive plants move between urban and rural forests, 2.) How interactions, impacts, and management differs and 3.) Best management practices for minimizing the impact and spread of invasive plants, with a focus on those used as ornamentals.

H. Insect Pests of Trees - *Phil Nixon*

There were several important tree insect pests in 2015, including horned oak gall, magnolia scale, fall webworm, Japanese beetle, and emerald ash borer. Their biologies, life cycles, and management will be addressed.

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Class Descriptions

I. Planning for Fall Blooms- *David Robson*

Most woody and herbaceous perennials bloom in the spring to early summer. However there are lots of exceptions. Come learn about all the great late summer to fall blooming trees, shrubs and perennials that will add color and interest to the landscape, not to mention encourage pollinators to stay around.

J. Common Fungal Diseases of Trees and Shrubs - *Daniel Raudabaugh*

An introduction to historic and current fungal diseases that affect common trees and shrubs. Emphasis will be on tree symptoms, how the fungus affect the host, expected life span of the infected host, and treatment options.

BREAKOUT SESSION: 2:05 - 3:05 p.m.

K. Getting Your Feet Wet with Rain Gardens - *Chris Enroth*

Learn how to reduce your impact downstream by building a rain garden. University of Illinois Extension Horticulture Educator, Chris Enroth, will introduce participants to the concepts and construction techniques of a successful rain garden. Chris will also discuss what plants work best in rain gardens.

L. Illinois Big Tree Register Program - *Chris Evans*

Whether it is a huge open-grown landscape tree or a towering forest giant, everyone recognizes a big tree when they see one, but how do you know if it is the biggest tree? The University of Illinois Extension Forestry Program maintains the Illinois Big Tree Register, where lists of the biggest individual for each native tree species in Illinois are kept current. This presentation will discuss the program, discuss the types of metrics used to measure big trees, highlight some of the biggest trees in Illinois, and encourage everyone to get involved by nominating big trees!

M. Trees that Need Special care - *Gary Kling*

There are many considerations that go into determining what tree to plant where. We are fortunate that many of our trees are quite adaptable and will tolerate a range of conditions. There are however, quite a few trees that require special care, extra maintenance or have very specific siting requirements. The extra care or requirements may mean the difference between a successful long-term planting and something that is much less. Despite the extra care that some trees require, you may still decide to use a few of those species for special applications, but at the same time eliminate those trees from consideration in areas where extra care is not likely to be possible.

N. Oak Diseases: Exotic, Emerging and Endemic - *Diane Plewa*

Illinois has 21 species of native oaks, making these trees critical for natural and ornamental areas. Diane Plewa, diagnostician at the University of Illinois Plant Clinic, will talk about new, emerging, and common diseases threatening our oaks. Diagnosis and management for these diseases will also be covered.

BREAKOUT SESSION: 3:10 - 4:10 p.m.

O. Gardening for Pollinators - *Chris Enroth*

What do pollinators do for us? Imagine how much an apple would cost if we had to pay a worker to climb around and pollinate the apple bloom. Pollinators are integral to the health and well-being of a garden and are essential for much of our vegetable production needs. Join horticulture educator, Chris Enroth, as we discuss the importance of bees, butterflies and other pollinators and some basic methods for attracting them to your garden. As pollinator habitats dwindle, come find out what you can do to support nature's most vital workers.

P. Native Landscaping Design Styles - *Scott Woodbury*

To say that all native plants are weeds is a half-truth. True, some are weedy but others are not. Scott Woodbury will explore the use of time-tested native plants and gardening practices including cluster planting, weeding, watering and mulching to create successful gardens. You will learn how to design the front yard in a traditional style using native plants and conventional gardening techniques.

Q. Selecting Trees for Urban Settings - *Gary Kling*

Urban settings present unique problems for tree selection, including space restrictions, heat from paved surfaces, wind tunnels, salt exposure, air pollution, soil compaction, limited soil volume and limited maintenance availability. Dr. Gary Kling will discuss trees most suited to some of these challenging urban settings, with the goals of longer tree survival, reduced maintenance and greater aesthetics.

R. From the Bottom Up - *Mark Grueber & Daniel Moncheski*

A brief overview of what happens when additional time and energy is put into the initial stages of a tree's life. We'll use real situations and examples to discuss how this management approach can help save money and reduce liability while improving the health and quality of the urban forest.

Conference Registration

Registration and fee is due by February 24, 2017

Gateway Green Industry Conference

Wednesday, March 1, 2017

On-line registration: <http://web.extension.illinois.edu/mms>

Please complete a separate registration form for each person. (Classes must be selected)

Name _____ Firm/Organization _____

Telephone (Day) _____ FAX number _____ E-mail _____

(A registration confirmation will be sent to all persons providing an e-mail address)

Business Address _____ City _____ State _____ Zip _____

____ College student (Full time)

Full-time College Students must include a photocopy of currently dated, student I.D. card and copy of full-time schedule with registration.

____ Active Master Gardener or Master Naturalist

Illinois Certified Master Gardeners and Master Naturalists must include copy of current I.D. card or letter of active status from County Director. Missouri Botanical Garden will be contacted directly to verify Missouri Master Gardeners.

Breakout Session Preferences. You may choose classes from any track (Continuing Education Credit Information on back)

Early Bird Session:

8:00 - 9:00 A.M.

- ___A. Dwarf and Unusual Landscape Conifers - *Martha Smith*
- ___B. Jumping Worms: A New Invader in Illinois - *Chris Evans*

KEYNOTE ADDRESS:

9:00 - 10:30 A.M.

Prairie and Savanna Plants for Urban and Suburban Gardens
Neil Diboll - Prairie Nursery, Inc.

Breakout Session I:

10:45 - 11:45 A.M.

- ___C. Five Steps to Successful Prairie Meadow Establishment - *Neil Diboll*
- ___D. Stinging Tree Insects - *Phil Nixon*
- ___E. Caring for a Significant Tree Collection - *Ben Chu*
- ___F. Beyond Hosta: Perennials for the Shade - *Martha Smith*

LUNCH ON YOUR OWN

11:45 A.M. - 1:00 P.M.

Breakout Session II:

1:00 - 2:00 P.M.

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CONTINUING EDUCATION CREDIT

CEU'S HAVE BEEN APPROVED THROUGH THE FOLLOWING PROFESSIONAL ASSOCIATIONS

1. Certified Golf Course Superintendent - 0.50 for the day.
2. International Society of Arboriculture - 6.5 hours for entire day. Approved Sessions: Keynote, A, B, D, E, H, J, L, M, N, Q, R
3. Illinois Landscape Contractors Association - Landscape Industry Certified Technicians receive 1 CEU per hour.
4. Illinois Park & Recreation Association - 0.15 for keynote session and 0.10 per breakout session (Total of 0.65 for all sessions).

General Admission: \$80/person

Advance registration fee includes the Keynote Address and all breakout sessions.

Certified Master Gardeners and Naturalists

Full-time students

Discounted Rate: \$50

Certified Master Gardeners & Naturalists must include copy of current I.D. card or letter of **active status** from your County Director.

There is no Trade Show or Lunch offered this year.

Registration due by February 24, 2017.

Registration is incomplete without payment.

**On-line registration available at:
<http://web.extension.illinois.edu/mms>**

Walk in registration (and registrations received after 2/24/17)

Walk in Rate: \$85

Questions:

Patty Stanton

University of Illinois Extension

Madison-Monroe-St. Clair Extension Unit

1 Regency Plaza Drive, Suite 200

Collinsville, IL 62234

(618) 344-4230

e-mail: pstanton@illinois.edu

Class handouts will be on a flash drive. Bring your laptop to access during the conference.

A link to the handouts will be e-mailed prior to the conference if you supply an e-mail with registration.

To register by check send registration form and **check payable to: *University of Illinois Extension***

to:

University of Illinois Extension
1 Regency Plaza Drive, Suite 200
Collinsville, IL 62234

Fax: 618-344-5602 (Forms may be faxed for credit card registrations)

(Please call 618-344-4230 after faxing to verify receipt.)

To register by credit or debit card: <http://web.extension.illinois.edu/mms> or send completed registration forms for each person with the following information (can send multiple registration forms to charge to one credit card):

Name on Card _____ Card Type: Mastercard Visa Discover American Express

Billing Address _____ City _____ State _____ ZipCode _____

Card # _____ Date of Expiration _____

3 digit card verification number on back of card: _____

E-mail: _____ (for copy of credit card charge receipt)