Managing Urban Forests in a Changing Climate
The Morton Arboretum Urban Tree Conference
November 18–19, 2014
Presented by The Morton Arboretum, in partnership with the Northern Institute of Applied Climate Science and the USDA Forest Service

Outline

November 18
Preparing the existing urban forest for climate change
8:30 am - 4:30 pm

Session 1: Welcome and Introduction
8:30 – 8:45 a.m.
Topic: Welcome and Introduction
The Future and Importance of the Urban Forest under a Changing Climate
Speaker: Gerard T. Donnelly, president and CEO, The Morton Arboretum

8:45 – 9:45 a.m.
Topic: Our Changing Climate: The 2014 U.S. National Climate Assessment
Speaker: Donald J. Wuebbles, professor, department of atmospheric sciences, University of Illinois

9:45 – 10:15 a.m. 0.5 ISA CEUs
Topic: Preparing for Extreme Storms – Stormwise
Speaker: Mark Rudnicki, forest ecologist, University of Connecticut

Break 10:15 - 10:30 a.m.

Session 2: Managing for extreme storms 1.75 ISA CEUs
10:30 - 11:00 a.m.
Topic: Pruning for Resilience
Speaker: Jake Miesbauer, research arborist, The Morton Arboretum

11:00 a.m. - 12:00 p.m.
Topic: Trees and Stormwater Management: Design Solutions
Speaker: Peter MacDonagh, director of design + science, Kestrel Design Group

12:00 p.m.-12:15 p.m.
Topic: Urban Planning models for Stormwater Management (Intro to break and reception activity)
Speaker: Moira Zeller, UIC

Lunch 12:15-1:30 p.m.

Session 3: Climate Effects and Strategies for Heat, Soils, and More 1.5 ISA CEUs
1:30-2:00 p.m.
Topic: Urban Tree Resilience to Drought
Speaker: Margaret Bialecki, forest ecology research assistant, The Morton Arboretum

2:00-2:30 p.m.
Topic: Carbon Sequestration and Resiliency of Chicago’s Urban Forest
Speaker: Bryant Scharenbroch, soil scientist, The Morton Arboretum

2:30-3:00 p.m.
Topic: Climate Effects on Invasive Forest Pests
Speaker: Patrick Tobin, assistant professor of entomology, University of Washington

Break 3:00-3:20 p.m.

Session 4: Practical tactics for trees and climate change 1.0 ISA CEUs
3:20-3:50 p.m.
Topic: Lessons Learned from Recent Storms
Speaker: Emily Kramer, ComEd

3:50-4:20 p.m.
Topic: Preparing for Ice Storms and Canopy Loss
Speaker: Richard Hauer, associate professor of forestry, University of Wisconsin Stevens-Point

4:20-4:30 p.m.
Concluding Remarks

4:30-5:30 p.m. Reception

Break & Reception Activity:
Facilitator: Moira Zeller, UIC

November 19
Planning for the Future Urban Forest
8:30 am - 4:30 pm

Welcome
8:30 - 8:35 a.m.
Speaker: Nicole Cavender, vice president of science and conservation, The Morton Arboretum

Session 5: Understanding Forest Vulnerability 1.75 ISA CEUs
8:35 - 9:00 a.m.
Topic: Climate Change Response Frameworks
Speaker: Christopher Swanston, director, Northern Institute of Applied Climate Science, USDA Forest Service

9:00-9:30 a.m.
Topic: Ecosystem Vulnerability Assessments for the Midwest
Speaker: Leslie Brandt, Northern Institute of Applied Climate Science, USDA Forest Service

9:30-10:15 a.m.
Topic: Potential Changes in Tree Species Habitats in the Coming Nine Decades
Speaker: Louis Iverson, landscape ecologist, USDA Forest Service

Break 10:15-10:35 a.m.

Section 6: Understanding Forest Vulnerability: Urban Trees 1.25 ISA CEUs
10:35-11:20 a.m.
Topic: The Future Climate for Urban Trees
Speaker: Dave Nowak, research forester, USDA Forest Service

11:20-11:50 a.m.
Topic: Predicted Tree Ranges and Success – Urban Areas
Speaker: Andrew C. Bell, curator of woody plants, Chicago Botanic Garden

Lunch 11:50 - 1:00 p.m.

Session 7: Planning and Planting for Climate Resilience 2.0 ISA CEUs
1:00-1:30 p.m.
Topic: Establishing Climatic Adaptive Trees in Urban Landscapes
Speaker: Gary Johnson, extension professor, University of Minnesota

1:30-2:00 p.m.
Topic: Urban Trees, Climate Change, and Nursery Availability
Speaker: Keith Warren, director of product development, J. Frank Schmidt and Son Company

2:00-3:00 p.m.
Panel Discussion: Planning, planting, sourcing, and growing recommendations for a changing climate

Break 3:00-3:20 p.m.

Session 8: Designing Resilient Urban Ecosystems 1.0 ISA CEUs
3:20-3:50 p.m.
Topic: Climate change and urban forest management: Examples from East Palo Alto and Philadelphia
Speaker: Lara Roman, research ecologist, USDA Forest Service, Northern Research Station

3:50-4:20 p.m.
Panel discussion: Climate Resilience Initiatives and Municipal Design

4:20-4:30 p.m.
Concluding Remarks: Recommendations from the presentations and the Climate Change Framework
Speaker: Robert Fahey, forest ecologist, The Morton Arboretum