

# Tree Assessment

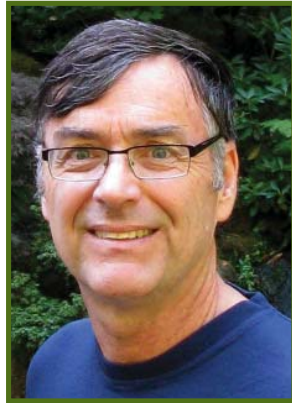
## Likelihood & Consequences of Tree Failures

Featuring  
**E. Thomas Smiley, Ph.D.**  
Arboricultural Researcher

Dr. Tom Smiley is an arboricultural researcher at the Bartlett Tree Research Laboratory in Charlotte NC and an adjunct professor of Urban Forestry at Clemson University.

Dr. Smiley is active in the arboriculture industry and has co-authored the ISA's Best Management Practices for Tree Risk Assessment, Lightning Protection, Fertilization, Support Systems and Construction Management.

His research that has led to improved methods of increasing sidewalk longevity near trees, protecting more trees from lightning damage, improving tree root growth in compacted soil using the patented Root Invigoration process, and better predicting trees failures.



## Pruning & Wind Resistance

Featuring  
**Brian Kane**

Professor of Forestry,  
University of Massachusetts

Brian Kane is the Massachusetts Arborists Association Professor of Commercial Arboriculture at University of Massachusetts-Amherst.

He is an ISA Certified Arborist and Chair of ISA's Science and Research Committee. He has been climbing since 1988 and competed in 5 TCC's, placing fourth in New England in 2006.

His research considers tree biomechanics and tree worker safety, and he has published over 30 journal articles on these topics.



Promoting Innovative Arboriculture

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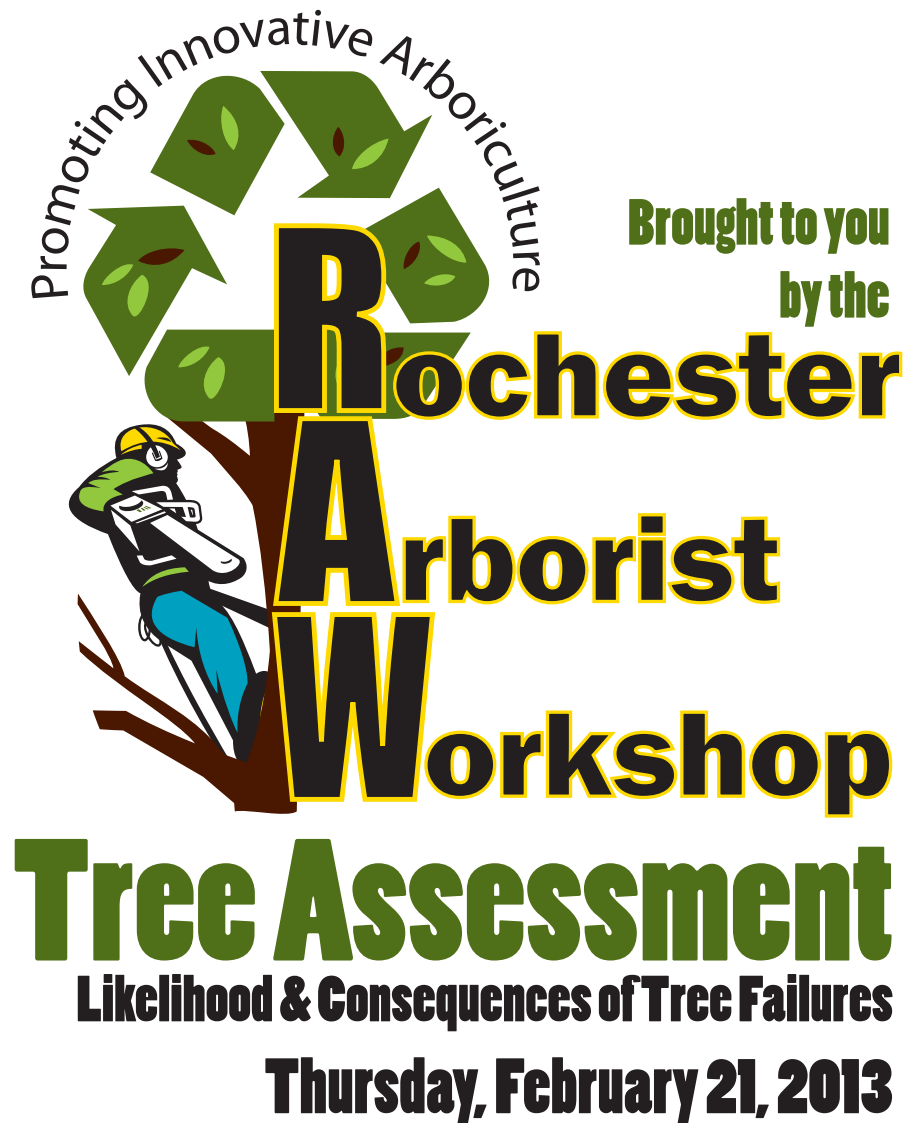
# Arborist

# Workshop

# Tree Assessment

## Likelihood & Consequences of Tree Failures

### Thursday, February 21, 2013



Rochester International Event Center  
7333 Airport View Rd. SW • Rochester, MN 55902  
Airport exit on Highway 63 South

Featuring  
**E. Thomas Smiley, Ph.D.** Arboricultural Researcher  
**Brian Kane** Professor of Forestry, University of Massachusetts



# Registration \$95

Registration is \$95 a person. Use a copy of this to register now or go online to [www.rochesterarboristworkshop.com](http://www.rochesterarboristworkshop.com) (which is open for online registration) with PayPal payment. To ensure the quality of the workshop, space is limited.

**Mail registrations to:**  
Rochester Arborist Workshop  
3930 Hwy 14 East • Rochester, MN 55904

Name(s) \_\_\_\_\_

Company/Organization \_\_\_\_\_

Address \_\_\_\_\_

City, ST ZIP \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Everyone is encouraged to stay for the 4-6 pm social after the workshop to visit with the speakers and network.

\$95 for standard registration by Monday, February 11. Groups of 7 or more receive 15% discount.

Registration includes:

- Full program
- Continental breakfast
- Buffet lunch
- Afternoon refreshments

Register by January 21 to be eligible to win a Stihl 192 Chainsaw. Other great door prizes will be available to all.

Questions should be sent to [jryg@rochestermn.gov](mailto:jryg@rochestermn.gov) or call Jacob Ryg at 507-328-2515. Vending information contact Jay Maier at [jay@forestandtree.com](mailto:jay@forestandtree.com).

**A Green Future** When attending RAW workshops, you're not only getting innovative information but you're creating opportunities for future caretakers of urban trees and supporting urban forestry. Funds raised go towards scholarships for arboriculture students and to RNeighborWoods, which empowers and educates the community to grow a sustainable urban forest. [www.RNeighbors.org](http://www.RNeighbors.org)



## RAW/MSA Up by the Roots Workshop

Save the date for **Thursday, June 13**, an exciting one-day workshop with Jim Urban.

# Tree Assessment Likelihood & Consequences of Tree Failures Schedule

<b>7 am</b>	<b>Registration</b>
<b>7:45-8 am</b>	<b>Welcome and Intro</b>
<b>8-9 am</b>	<b>Intro to Tree Risk Assessment BMPs by Tom Smiley</b>
<b>9-10 am</b>	<b>Likelihood and Consequences of Tree Failures by Tom Smiley</b>
<b>10-11:30 am</b>	<b>Forces and Failures in Rigging by Brian Kane</b>
<b>11:30-12:45 am</b>	<b>Lunch with Vendors &amp; Door Prizes</b>
<b>12:15 pm</b>	<b>Pest Update from the MDA by Mark Abrahamson</b>
	<b>Climber's Corner</b>
<b>12:45-1:30 pm</b>	<b>Likelihood of Tree Failures from Root Cuts by Tom Smiley</b>
<b>1:30-2:30 pm</b>	<b>Pruning and Wind Resistance by Brian Kane</b>
<b>2:30-4 pm</b>	<b>Advanced Risk Assessment by Tom Smiley &amp; Brian Kane</b>
<b>4-6 pm</b>	<b>Minnesota Society of Arboriculture (MSA) Social</b>
	Stick around and network with other tree care professionals. Drinks and appetizers provided by MSA.

## Sessions

Dr. Smiley's sessions will examine his new research about important tree risk information. This information is vital to the modern arborist – it pertains to anyone that removes, prunes, consults and climbs trees. Dr. Smiley has been a leader in arboricultural research for decades and these lectures are what arborists and foresters should not miss!

Dr Kane's sessions will look at the application of risk assessment. This is where the rubber of research meets the road of real life. Dr. Kane has first-hand knowledge of tree climbing and can help the arborist and urban forester understand the risks associated with working in trees as well as their likelihood to fail in storms.