

Upcoming Events

Visit msa-live.org/events for more details regarding these and other MSA events happening around the state as they become available.

Apr 5-8 :: ISA TRAQ: Qualification & Requalification, Eden Prairie

Apr TBD :: Northeast Pruning Workshop, Duluth

May 7 :: Get the Most Out of Your TCC Experience Workshop

May 20-22 :: MSA Tree Climbing Championship, St. Louis Park

Aug 5-7 :: ISA North American Tree Climbing Championship, St. Paul

Aug 19-21 :: Women's Tree Climbing Workshop™, Lakeville

Sept TBD :: Climbing Workshop

Oct TBD :: ISA TRAQ: Qualification & Requalification

Oct 13 :: Fall Conference, MN Landscape Arboretum



MINNESOTA SOCIETY OF ARBORICULTURE'S

ROCHESTER ARBORIST

WORKSHOP



THURSDAY, FEBRUARY 24, 2022

ROCHESTER INTERNATIONAL EVENT CENTER

Featuring:



Daniel Burcham

Dr. Daniel Burcham is an assistant professor of arboriculture and urban forestry at Colorado State University in Fort Collins, Colorado. In his research, he studies the response and durability of urban trees experiencing environmental loads, especially the wind, and he investigates changes in tree growth and stability associated with various arboricultural practices, such as pruning. He earned a PhD in Environmental Conservation, with an emphasis in forest resources and arboriculture, from the University of Massachusetts Amherst, and he earlier obtained a BS in landscape horticulture and MS in public horticulture from the Ohio State University and University of Delaware, respectively. For nearly 10 years, he managed an arboriculture research program at the Centre for Urban Greenery and Ecology, National Parks Board (NParks), Singapore, where he contributed to advancements in the science and practice of tropical arboriculture. Today, he works with practitioners and policymakers to tangibly improve the management of community forests for the health and safety of nearby human populations. A certified arborist, he enjoys visiting and climbing large trees with other arborists in his free time.



Todd Kramer

Todd Kramer is an ISA Certified Arborist®, ISA Certified Tree Worker®, ISA Climber and Aerial Lift Specialist, TCIA Certified Tree Care Safety Professional and a Certified Crane Operator through the Crane Institute of America. Todd enjoys a refreshing and practical approach to teaching and instructing various arboriculture skill sets. He has been involved in production tree climbing for more than 30 years and has been instructing seminars on rigging, crane assisted tree removals, aerial rescue, emergency response and industry related leadership throughout the United States for more than 15 years. Todd has been very active in competitive tree climbing over his career and is a 10 time Illinois Arborist Association competitive tree climbing champion and competitor in the ISA International Tree Climbing Competition. Todd is currently the Training and Performance Manager at the family owned and operated Kramer Tree Specialists in West Chicago, Illinois.

- 7:45 : Welcome
- 8:00 : **Leadership for Crew Leaders and Management** (Kramer)
Green Industry staff are often promoted to leadership roles based on their ability to complete a task, but may lack the qualities and skills required to be an effective leader. Learn how to develop leadership skills that will contribute to developing safe, productive, quality-oriented crews.
- 9:00 : **Arborist Rigging Workshop** (Kramer)
Rigging trees and tree parts is one of the most challenging tasks for an arborist whether you are working on the ground or aerially. This session will focus on rigging forces that are put into a tree and the equipment used. We will look at rigging equipment and determine best practices for it. There will also be an emphasis on work positioning whether climbing or using an aerial device. All A.N.S.I. standards that are applicable will also be examined.
- 10:30 : **New Insights from Old Discoveries: What Does the Scientific Literature Say About Pruning Mature Trees?** (Burcham)
Pruning is the most common arboricultural practice around the world. Despite its significance, there is limited knowledge about pruning amenity trees, and most work has only looked at the immediate consequences of small tree pruning. Still, some insights can be gleaned from studies in related fields. We will look at the current knowledge about tree pruning, especially for those working with large, mature trees, and the remaining uncertainty about tree pruning will be evaluated alongside industry practices.
- 11:30 : Lunch & Door Prizes
- 12:30 : **Advancements in Electric Saws** (Jeff Englar)
- 1:00 : **Crane Assisted Tree Removal** (Kramer)
This session will train workers on proper use of a mobile crane while performing arborist tasks. All applicable standards (i.e. ANSI Z133.1; OSH) will be covered. We will review job and proper crane set up, along with crane charts and capabilities. Rigging gear and techniques will be examined focusing on "center of gravity rigging". We will also look at different cutting techniques for best outcome. Work positioning, whether climbing or using an aerial platform, will also be discussed. This session will provide the knowledge and confidence to safely work with a mobile crane.
- 2:00 : **Think Twice, Cut Once: Pruning Treatments Do Not Equally Alter the Interaction Between Wind and Trees** (Burcham)
If a tree presents unacceptable risk, pruning is often used to reduce the likelihood of failure. Currently, tree pruning is mostly guided by industry standards, cultural traditions, and aesthetic norms; and existing research offers mixed evidence on the effectiveness of pruning in relation to risk mitigation. We will review recent findings about changes in the mechanical behavior and wind loads of large, mature trees after pruning, and the new information will be synthesized alongside existing knowledge to identify strategies for improving the mechanical integrity of trees without adversely affecting their biological condition.
- 3:30 : Q&A with Todd and Daniel
- 4:00 : **MSA Social & Climbers Corner** (Nick Grebe, Scott Ferris, & Friends)
- 6:00

Breaks with vendors will happen between sessions throughout the day.