

MAC-ISA 2018 ANNUAL MEETING
Celebrating MAC-ISA's 40- year Anniversary
October 7-9, 2018, Frederick, MD

Program at a Glance (subject to change)

Check the () after the session title to see what type of ISA CEUs will be available. The number is followed by a letter, which designates the type of certification. Other credits (SAF, MD DNR & CTSP's) will also be available for some classes.

Sunday, October 7th – Pre-Conference Events (separate fee)

TREE Fund events to benefit the Bonnie Appleton Memorial Fund – Golf Tournament (12 noon) or Motorcycle Ride – meet at hotel at 10am to start a scenic ride and stop for lunch.

3:00 p.m. - 6:00 p.m. Welcome Table and Registration at Hotel

Monday, October 8th – Field Day & Trade Show at Hood College

7:00 a.m. - 7:50 a.m. Registration and Breakfast with Exhibitors

7:50 a.m. - 8:00 a.m. Welcoming Remarks

8:00 a.m. - 10:00 a.m. Sessions

10:00 a.m. - 10:30 a.m. Break with Exhibitors

10:30 a.m. - 12:30 p.m. Sessions

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

1:30 p.m. - 3:30 p.m. Sessions

3:45 p.m. - 4:45 p.m. *Banter with the Best – (1AMUTBm)*

7:30 p.m. - 10:30 p.m. Opening Reception at Hotel

Field Day Sessions

	A	B	C	D	E	F	G
Morning Session I 8:00 AM - 10:00 AM 2 ISA CEUs (Attend one program per session)	Pre-Job Briefing/Site Inspection and Set-up <i>Don Blair, Blair's Arborist Equipment and Rob Springer, Bartlett Tree</i>	A Walk in the Park: Honing your Diagnostic Skills <i>Michael Raupp and Paula Shrewsbury Univ. of MD</i>	Assessing the Canopy <i>Chris Coates, Advanced Arboriculture and Flint Anderson, treelife</i>	Fabulous Frederick Trees <i>Carole Bergmann, MNCPPC</i>	Use of Trees in Stream Restoration <i>Joe Berg, Bio Habitat,</i> Indoors & Out	Evaluating Trees for Decay <i>Chris Luley, Urban Forest Diagnostics</i> Indoors & Out	Teamwork, Where Success and Progress Begin <i>Robert Flores, PennLine</i> Indoors
Morning Session II 10:30 AM - 12:30 PM 2 ISA CEUs (Attend one program per session)	Practical First Aid for Arborists in the Field and Working with EMTs <i>John Ball, South Dakota State Univ. and Steve Connally, Adaptable Aerial Solutions.</i>	Scaling Up Your Scale Skills and Building Diagnostic Skills in New Invasive Species, <i>Stanton Gill Suzanne Klick, Univ. of MD Extension</i> Indoors & Out	Young Tree Pruning, <i>Norman King, Discount Tree Services</i>	As above, so below: How much of a tree expert can you be without an awareness of soil health? <i>Joe Murray, Tree Literacy</i> Indoors & Out	Got Wildlife: Trees and Wildlife Go Together <i>Dan Rauch and Lindsay Rohrbaugh, DOEE</i>	Assessing Tree Risk and Reporting the Results <i>Ed Milhous, Trees Please Mike Galvin, Savatree</i>	Electrical Safety Demonstration and Working Around Utilities <i>Potomac Edison Staff</i>
Afternoon Session 1:30 PM - 3:30 PM 2 ISA CEUs (Attend one program per session)	Tree Mek Crane Demonstration <i>Steve Connally, Adaptable Aerial Solutions</i>	A Walk in the Park: Honing your Diagnostic Skills <i>Michael Raupp, Paula Shrewsbury REPEAT</i>	Professional Chainsaw Performance <i>Cary Shepherd, Husqvarna</i>	Fabulous Frederick Trees <i>Carole Bergmann</i> REPEAT	Use of Trees in Stream Restoration <i>Joe Berg, Bio Habitat</i> Indoors & Out REPEAT	Common Decay Fungi and TreeRot.com <i>Chris Luley, Urban Forest Diagnostics</i>	Electrical Safety Demonstration and Working Around Utilities <i>Potomac Edison Staff</i> REPEAT

Field Day Talk Descriptions – all sessions are 2 hours

Check the () after the session title to see what type of ISA CEUs will be available. The number is followed by a letter, which designates the type of certification. Other credits (SAF, MD DNR & CTSP's) will also be available for some classes.

Morning Sessions I

(A) Pre-Job Briefing/Site Inspection and Set-Up, Don Blair and Rob Springer - CEU (2AMTUBm)

Planning for a safe, efficient and profitable day should begin with the work order when the job is sold! From there, what you do with the team before they leave the yard, how they assess the work site and how they set up to do the job are all mission critical. Don Blair and Rob Springer will guide you through this process, step by step on a job site in the field.

(B) A Walk in The Park: Honing Your Diagnostic Skills, Michael Raupp and Paula Shrewsbury - CEU (2AMTUBs)

Proper diagnosis of problems caused by abiotic factors and pests inform management decisions in plant health care and IPM programs. Join us as we learn signs and symptoms of insect and mites. See what beneficial insects are active. We will also discuss management options for key landscape pests.

(C) Assessing the Canopy, Chris Coates and Flint Anderson - CEU (2AMTBp)

Work the crown like a samurai! How can we accomplish our task aloft while doing it as efficiently as possible, and with as few movements as possible? We will give you the ins and outs of efficient movement in general, and good knowledge about how to move around through the crown of a tree. Specifically, we will showcase natural redirects and false crotch redirects, canopy anchors, etc. We will also speak about the philosophy over moving parts in the system to reduce the likelihood of failure.

(D) Fabulous Frederick Trees, Carole Bergmann - CEU (2AMTUBs)

Hood College (founded in 1893) has a campus filled with a wide variety of special trees, from both a species and an age perspective. Join Forest Ecologist/Botanist Carole Bergmann on a **walking** tour of the campus and its surrounding neighborhood to learn fascinating facts—including identification tips, important characteristics, landscape and environmental benefits—about some of the current mature specimen and the “up and coming” members of the tree community.

(E) Use of Trees in Stream Restoration, Joe Berg - CEU (2AMUBp)

The presentation will be on the use of wood harvested from floodplain forests for stream restoration. **WALKING involved, up to 2 miles.**

(F) Evaluating Trees for Decay, Chris Luley - CEU (2AMTBm)

Arborists are required to assess trees for decay as part of their daily work context, such as sales calls, climbing, or during formal tree risk assessment. TRAQ qualified arborists are required to determine tree stability when decay is present and make subsequent judgments about tree failure potential. Yet the arboricultural industry has not provided an acceptable process for assessing trees for decay. This presentation will provide arborists with a process to assess trees for decay presence and severity and make judgments on tree stability

(G) Teamwork- Where Success and Progress Begin, Robert Flores - CEU (2AMUBm)

This presentation is designed to motivate and inspire individuals to not only achieve their goals, but to perform beyond expectation. The process of team building will be identified and explained throughout the program

Morning Sessions II

(A) (Practical First Aid for Arborists in the Field and Working with EMTs, John Ball and Steve Connally - CEU (2AMTUBm)

(B) Scaling Up your Scale Skills and Building Diagnostic Skills in New Invasive Species, Stanton Gill and Suzanne Klick - CEU (2AMTUBs)

Get in depth information and build your diagnostic skills for Armored, Soft and Felt Scales that attack trees and shrubs. Learn when they are most susceptible and hear results of trials on new systemic insecticides for scale control. Also learn about new invasive species that are popping up in the landscape and how to deal with them with an IPM approach. This will be a combination of lecture, hands on lab and walk around the campus.

(C) Young Tree Pruning, Norman King - CEU (2AMTUBp)

Young tree pruning Theories vs Practical Application Approach. Will discuss the theoretical approach to pruning young trees compared to what happens in the real world with hands on field demonstration.

(D) As above, so below: How much of a tree expert can you be without an awareness of soil health? Joe Murray - CEU (2AMBs)

Tree experts are quick to point out that most tree disorders are caused by problems in the soil environment; yet when diagnosing disorders, these experts typically restrict their observations to the above ground portion of trees. Such a shortsighted approach leads to recommendations that only address symptoms, or worse, further degrade tree and soil health. Tree health and soil health are interdependent. Properly assessing tree health also means assessing soil

health. To truly be a tree expert, one must also be a soil expert. Learning more about soil health improves your diagnostic skills and enables you to offer more comprehensive recommendations to address soil and tree disorders.

(E) Got Wildlife: Trees and Wildlife Go Together, Dan Rauch and Lindsay Rohrbaugh - CEU (2AMUBm)

Meet the wildlife biologist from the District's Department of Energy and Environment to learn about wildlife in urban habitats and the value native flora has in recruiting wildlife at work and at home.

(F) Assessing Tree Risk and Reporting the Results, Ed Milhous and Mike Galvin - CEU (2AMUTBm)

Mike and Ed will have an informal conversation about tree risk assessments, with each other and with attendees. They will explain how they handle TRA requests, from initial phone contact through arranging a site visit and informing the tree owner/manager what the findings are. Ed and Mike will show how they go about performing TRAs using trees on site as examples.

(G) Electrical Safety Demonstration and Working Around Utilities, Potomac Edison Staff - CEU (2AMUTBm)

Representatives from Potomac Edison will be demonstrating the hazards of electricity using various common items and clothing. This is a sight and sound demonstration. Also a review of Z133 standards as they relate to utilities.

Afternoon Sessions

(A) Tree Mek Crane Demonstration, Steve Connally - CEU (2AMTU 1Bm, 1Bp)

Articulating Boom Cranes have grown in popularity within the tree industry over the last decade. With the advancement of technology and engineering, the addition of a grapple saw is quickly growing in popularity. The advancement of arboriculture spans the science of arboriculture, climbing tools and techniques, and large equipment. Come see this amazing technology in action and see what the future offers.

(B) A Walk in The Park: Honing Your Diagnostic Skills (See Morning Session I)

(C) Professional Chainsaw Performance, Cary Shepard - CEU (2AMTUBp)

This presentation includes equipment design, technology, maintenance, tuning, chain filing, and everything you need to know to keep your saws running with peak power and deliver a positive return on investment. The presentation will show how to maximize the performance of your chain saw and 2-stroke power equipment to increase safety and productivity. You will eliminate the majority of problems that can occur by integrating this information into your fleet management protocol.

(D) Fabulous Frederick Trees (See Morning Session I)

(E) Use of Trees in Stream Restoration (See Morning Session I)

(F) Common Decay Fungi and TreeRot.com, Chris Luley - CEU (2AMBs)

This presentation will guide arborists on identification of decay fungi, and appropriate treatments and diagnostics within a Plant Health Care (PHC) program, and is based on a free, recently developed website Treerot.com. Wood decay is the most common disease of urban and landscape trees, and management of decay diseases within an PHC program is essential knowledge for arborists.

(G) Electrical Safety Demonstration and Working Around Utilities (See Morning Session II)

Tuesday, October 9th – Indoor Educational Sessions Clarion Inn and Event Center

7:00 a.m. – 7:55 a.m. Registration, Breakfast, and Exhibit Hall

7:55 a.m. – 8:00 a.m. Welcoming Remarks

8:00 a.m. – 10:00 a.m. **The New Z: Paragraphs to Live By, John Ball, South Dakota State University - CEU (2ATUMBm)**

From planning the work to working the plan, the Z133 American National Standard for Arboriculture Operations Safety Requirements can guide you and your crew in safely navigating the many hazards of our daily work. The ANSI Z133 just completed its most recent revision, and there are numerous fundamental changes to how we conduct arboricultural operations, from working within electrical hazards to operating a chain saw. This information-packed session will provide attendees with an interpretation of key parts of the Standard and the risks they can eliminate or reduce.

10:00 a.m. – 10:30 a.m. Break with Exhibitors

10:30 a.m. – 11:30 a.m. Concurrent Sessions

Tree Law Thru the Eyes of An Arborist, Lew Bloch, Consulting Arborist - CEU (1AMUBm)

A discussion of how tree law plays a role in tree care. Most of our tree law situations involve neighbor and property line issues, and there is very little written law regarding these issues; mostly what is known as case law. Most written tree law is by specific municipalities.

Historic and Emerging Diseases Threatening Northeastern Forests, Matt Kasson, WVU - CEU (1AMUBs)

Cost of Not Maintaining Trees, *Rich Hauer, University of Wisconsin Stevens Point* - CEU (1AMBp)

This talk will use the many stages (pre-planting, planting, establishment, formative years, semi-mature, mature, senescent) as a backdrop in a tree's life and what the science tells us about when a lack of maintenance resulted in a lesser outcome. There is a cost of not maintaining urban trees.

11:30 a.m. – 11:45 a.m. Break with Exhibitors

11:45 a.m. – 1:00 p.m. Luncheon, Gold Leaf Awards, ISA Update

1:00 p.m. – 1:15 p.m. Break with Exhibitors

1:15 p.m. – 2:15 p.m. Concurrent Sessions

The ABC's (Arboreal Biology & Construction) of Trees and Construction: A 40-year Case Study of Knowledge, *Rich Hauer, University of Wisconsin Stevens Point* - CEU (1AMUBm)

Successful tree preservation during construction assures the project's goals are achieved without jeopardizing the health and lifespan of protected trees. In this session, I will tell you a story about a cohort of trees that have been monitored for nearly 40 years by assessing tree condition and survival following construction activities versus a cohort of control trees. This story will enlighten and inform attendees on how a collaborative process by people from all disciplines involved with the construction process benefits owners, decision-makers, and tree lovers.

Calculating Impacts: New Strategies and Technology in Tree Preservation, *Keith Pitchford, Pitchford Associates and Paul Josey, Wolf/Josey Landscape Architects* - CEU (1AMUBm)

Keith Pitchford will present his mathematical formula to predict tree preservation success using a range of parameters. The formula is part of a website to be launched in July called 'Tree Matrix.' Paul Josey will discuss his firm's real world experience with this formula, and how it helps to predict the survivability of trees during construction.

Arboriculture Begins in the Nursery: The benefits of Field Production, *Steve Black, Raemelton Farm* - CEU (1AMTBp)

Every 2" Red Sunset Maple is NOT the same. Genetically they may be clones but there will be huge differences based on the nursery practices used to grow the trees. Steve will explore the propagation and cultural practices used in field production nurseries and their impact on the eventual health and functionality of finished landscape ready trees.

2:15 p.m. – 2:30 p.m. Break

2:30 p.m. – 3:30 p.m. **MAC-ISA: 1978-2018**, *Donald Blair, Blair's Arborist Equipment*- CEU (1ATMUBm)

No, this is not an obituary for the chapter, but as with a life, the dash between the dates represents all that has happened to this point. On MAC ISA's 40th Anniversary, it is fitting and proper to pause and reflect a little on how far the Chapter as well as the larger world of Arboriculture has come. Arborist Historian Don Blair will share some of those highlights in an orgy of nostalgia.

General Information - Questions call 703-753-0499 or email admin@macisa.org

Accommodations: Clarion Inn Frederick Event Center, 5400 Holiday Drive. To make reservations for our room block use this [link](#). Or call 301-694-7500 and mention MAC-ISA for our block rate of \$94 plus tax. Limited rooms are available, register early.

Register for the Annual Meeting by Sept. 14th for the best rate. Select your field day classes prior to going to this registration [link](#) or use the registration form and fax, email or mail your form to MAC-ISA.

Exhibit Show: Save \$ on shipping and buy directly from the suppliers. Outdoor show at Field Day at Hood College and indoors on Tuesday at hotel.

MAC-ISA Welcome Reception – Monday, October 8th, 7:30 p.m. – 10:30 p.m. Clarion Inn Frederick Event Center Mingle with old friends and meet new ones. Light refreshments and cash bar, plus one free drink.

Silent Auction – One auction will be held this year starting on Monday evening and ending Tuesday early afternoon. Sales revenue from silent auction items is used to fund scholarships to our Annual Meeting for college students. Please donate new, quality items for the auction and e-mail the office at exdirector@macisa.org to tell us what you will be donating. Plan on bidding on the great items we will have this year. We will be accepting cash, checks, and credit cards.

Full and Partial Student Scholarships Available: Visit www.mac-isa.org for application or call 703-753-0499 for more information. You must be a MAC-ISA member to apply, deadline Sept. 14th.

TREE Fund Events to Benefit the Bonnie Appleton Memorial Fund (BAMF) Sunday October 7th

Golf Tournament at the Clustered Spires Golf Club in Frederick, MD. Check in and lunch at noon.

This par 72 course has won numerous awards including a 4 - star rating from Golf Digest. Join the fun and register with the annual meeting.

Please Sponsor the MAC-ISA TREE Fund Golf Tournament! \$50 Hole Sponsorship, \$250 Lunch Sponsorship, Prize Donations: Contact exdirector@macisa.org

BAMF Motorcycle Ride– Begins at 10 a.m. at the hotel. Bring your own motorcycle and ride for over 100 miles stopping for lunch along the way. \$50 fee, all proceeds donated to BAMF.

Sponsors and Exhibitors Needed – Register online or contact exdirector@macisa.org

For more information call 703-753-0499

Registration Form - MAC-ISA 2018 Annual Meeting

Name (for badge): First _____ Last _____
 MAC-ISA member #: _____ (this is your ISA or chapter only membership number, not your certified arborist number. You are a MAC-ISA member if you paid chapter membership dues)
 Company Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Daytime Phone: _____
 Email: _____
 List any dietary restrictions? _____

FEES

Full Registration: includes all sessions Mon & Tues, 2 breakfasts, 2 lunches, opening reception and breaks.
 Daily Registration: includes admission to the sessions and meals for the day.
 If daily, mark the day(s): __ 10/8 __ 10/9

	Full	Daily	Total
MAC-ISA Members	\$230	\$120 x ____	\$ _____
ISA Member only	\$250	\$130 x ____	\$ _____
Non-Member	\$290	\$150 x ____	\$ _____
(Add \$40 for Full registration and \$20 to daily fees after Sept. 14)			\$ _____

Select your Field Day Options if registered for full or Monday

Session 1, 1st choice: _____ 2nd choice: _____
 Session 2, 1st choice: _____ 2nd choice: _____
 Session 3, 1st choice: _____ 2nd choice: _____

Will you be attending Banter with the Best? Yes ____ No ____ Not sure ____

Membership (for new members, good for one full year)

ISA and chapter	\$185	\$ _____
Chapter only	\$60	\$ _____
Student (includes ISA)	\$25	\$ _____
Chapter-only Sustaining	\$200	\$ _____

Side Events (On Sunday, please choose only one)

Golf Tournament	<i>Individual = \$90 Foursome = \$360</i>	\$ _____
Ride for Research	\$50	\$ _____
Grand total		\$ _____

- 25% Student discount available for full time student members
- **Refund Policy:** 10% refund charge. **No refunds after Sept. 21, 2018**
- Payments can be made by check or credit card. Please make check payable to **MAC-ISA**.

Amount enclosed: _____ Payment by: ___ Check ___ Visa ___ MasterCard ___ Discover

Card #: _____ Exp. Date: _____ 3-digit Security code: _____

Ck # _____
Dp. Date _____
Amount _____
App # _____

Name on card and billing address if different from above:

Questions? Call (703)753-0499, please mail this registration form with payment to:
MAC-ISA • P.O. Box 1200 • Haymarket, VA • 20168 or fax to (703)894-4994
 One form per person please