

Summer 2022
 In This Issue :

Tree Sensors	1
President's Message	2
Memo Board	2
Florida Chapter Board Shorts	6
Florida on Fire	7
Fungal Colonies	8
TCC Prize	12
TCC Winners	13
TCC Event	14
Tree-Felling	15
Consultant's Corner	16
Trees Florida 2022	17
11,000 Tree Varieties	18
News From International	20
Florida Chapter Education Schedule	21
New Florida Chapter Members	22
Arborist Certification Committee Report	23

Tree Sensors Track Urban Growth, Flowering and More

by Katie Weeman



Low-cost “tree fitbits” can pinpoint the precise timing of tree activities, like spring bloom or autumn leaf change, according to a new CU Boulder study. Researchers outfitted two East Boulder ash trees with high-resolution accelerometers, efficiently tracking how the trees responded to changing seasons. And in the coming years, arborists could efficiently monitor trees by the thousands with this technology—ultimately giving researchers insight into how tree phenology is changing with a warming climate.

“Accelerometers are in cars, smartphones and fitbits—they track movement in real time. When we put them on trees, accelerometers detect vibrations on the trunk as the tree sways in the wind,” said Deidre Jaeger, recently minted CIRES Ph.D. researcher and lead author of the study out this week in Agricultural and Forest Meteorology. “That sway corresponds to the tree’s mass, which tells us what the tree is doing.”

A tree’s mass all depends on its water uptake throughout the seasons, creating the structural differences that determine how it dances in the wind. In the winter, trees are dry and brittle.

“Think of the quick, shaky rattling sound of leafless trees in the dead of winter,” Jaeger said. “Now think of spring: the trees are lush with leaves, full of water, and sway with flexibility.”

A previous [accelerometer](#) study was able to detect when trees’ leaf buds opened or when leaves dried and fell off—but Jaeger’s team proved how much more detailed data such tree fitbits can collect. The team picked up the precise moment

[Sensors continued on page 4](#)



Summer is upon us.

We are looking forward to seeing a lot of you at the Trees Florida 2022 Conference and Trade Show in late June. Although the hotel conference room block has filled, there are plenty of other hotels in the area where you can stay and then drive to the Sheraton for the day(s) of education, networking and social events. You really don't want to miss out!

With the summer temperatures climbing, I remind everyone to be safe in the heat. Many workers in Florida are exposed to heat-related illness every day, whether they work in construction, farm work, landscaping, oil and gas, utilities, mining, or other industries. Know these symptoms of heat-related illnesses and treatments (from MayoClinic.org):

- **Heat cramps:** painful muscle cramps and spasms that occur during or after exercise and sweating in high heat;
- **Heat exhaustion:** a loss of water and salt in extreme heat and excessive sweating without adequate fluids and salt. Symptoms include muscle cramps, a few over 100.4 degrees Fahrenheit, nausea, diarrhea, headache, fatigue, weakness, anxiety, and similar symptoms. In most cases, you can treat heat exhaustion yourself by doing the following but if you don't begin to feel better within one hour of using these treatment measures, seek prompt medical attention:
 - o **Rest in a cool place.** Getting into an air-conditioned building is best, but at the very least, find a shady spot or sit in front of a fan. Rest on your back with your legs elevated higher than your heart level.
 - o **Drink cool fluids.** Stick to water or sports drinks. Don't drink any alcoholic beverages, which can contribute to dehydration.
 - o **Try cooling measures.** If possible, take a cool shower, soak in a cool bath, or put towels soaked in cool water on your skin. If you're outdoors and not near shelter, soaking in a cool pond or stream can help bring your temperature down.
 - o **Loosen clothing.** Remove any unnecessary clothing and make sure your clothes are lightweight and non-binding.
- **Heat stroke:** the most severe form of heat illness; when the body's system is overwhelmed by excessive heat, it could be life-threatening. Symptoms include a temperature over 104 degrees, high fever, dry skin, rapid heart rate, nausea, vomiting, headache, fatigue, agitation, leth-

argy, and sometimes seizure, coma, and death are possible. Seek medical attention. To cool your body to a normal temperature, under the guidance of a doctor, there are more aggressive heatstroke treatment techniques:

- o **Immerse in cold water.** A bath of cold or ice water has been proved to be the most effective way of quickly lowering your core body temperature. The quicker you can receive cold water immersion, the less risk of death and organ damage.
- o **Use evaporation cooling techniques.** Health care workers may try to lower your body temperature using an evaporation method. Cool water is misted on your body while warm air is fanned over you, causing the water to evaporate and cool your skin.
- o **Use ice and cooling blankets.** Health care workers may wrap you in a special cooling blanket and apply ice packs to groin, neck, back and armpits to lower temperature.
- o **Your doctor may prescribe medications to stop your shivering.** If treatments to lower your body temperature make you shiver, your doctor may give you a muscle relaxant, such as a benzodiazepine. Shivering increases your body temperature, making treatment less effective.

Let's all stay safe this summer.

Jonathan Frank
 President, Florida Chapter ISA
 2022 Florida Chapter ISA President

MEMO BOARD

Trees Florida 2022
 Clearwater Beach
 June 20-22, 2022

▷ Flyer
 ▷ Register Online

Urban Tree Diversity
 4

St. Petersburg, FL at
 the Hilton St. Pete Bay-
 front

2-day event August 2-3
 ▷ Online info
 Registration to start soon

Hurricanes and Trees
 9/21 - Orlando
 9/23 - Wimauma



Florida Chapter ISA
2022 Board of Directors

Executive Committee

Jonathan Frank, President ('22)
Bartlett Tree Experts
566 NE 42nd Court
Oakland Park, FL
Phone: 954-459-5178
jfrank@bartlett.com

Kim Pearson, Past President ('22)
City of Fort Lauderdale
220 SW 14 Ave, Building 4A
Fort Lauderdale, FL 33302
Phone: 954-828-5262
kpearson@fortlauderdale.gov

Alison Summersill, Vice President ('22)
Advance Tree Pros
7242 Gardner Street
Winter Park, FL 32792
Phone: 407-276-2459
ali@advancetreepros.com

Bonnie Marshall, Treasurer ('22-23)
Juniper Landscaping
2504 64 Street Court East
Bradenton, FL 34208
Phone: 352-316-0264
Bonnie.marshall@juniperlandscaping.com

Directors

Dr. Andrew Koeser, Educator Representative ('22 - '24)
University of Florida
14625 CR 672
Wimauma, FL 33598
Phone: 813-633-4150
akoeser@ufl.edu

Gareth Coggan, Commercial ('21-'23)
Florida Tree Care Company
PO Box 1097
Windermere, FL 34786
Phone: 407-494-3582
mail@fltree.com

Lori Ballard, Consulting Arborist Representative ('12-'24)
E Sciences
2329 Sunset Point Rd.
Clearwater, FL 33675
Cell: 727-403-5980
lballard@esciencesinc.com

Michael Marshall, Grower Representative ('21 - '23)
Marshall Tree Farm
17350 SE 65th Street
Morrison, FL 32668
Phone: 352-528-3880
Michael@marshalltrees.com

Matt Anderson, Municipal Arborist Representative ('20-'22)
City of Clearwater
510 Pennsylvania Ave
Clearwater, FL 33755
Matt.Anderson@MyClearwater.com

Barry Grubb, Utility Arborist Representative ('20-'22)
Florida Power & Light
PO Box 1119
Sarasota, FL 34230
barry.l.grubb@fpl.com

Brian Gould, Climbing Representative ('21 - '23)
Tree Care Technologies, LLC
8037 Crushed Pepper Ave.
Orlando, FL 32817
Phone: 407-285-1713
bgould@treecaretechnologies.com

Justin Freedman FUCF Representative ('22 - '24)
E Sciences, Inc.
224 SE 9th Street
Fort Lauderdale, FL 33316
Phone: 954-484-8500
jfreedman@esciencesinc.com

Jeffery Van Treese II Attorney Representative
PO Box 971252
Boca Raton, FL 33497
jvt2law@gmail.com

At Large Board Member, Carson Smith ('22)
O'Neil's Tree Service
PO Box 492
Ozona, FL 34660
727-599-7548
carson@oneilstreeservice.com

At Large Board Member Wade Collum ('22)
City of Pompano Beach
100 W Atlantic Blvd
Pompano Beach, FL 33060
954-545-7766
Wade.Collum@copbfl.com

Florida Chapter Trustee:
Mr. Rick Joyce
Florida Chapter Standby Interim Director:
Dr. Andrew Koeser

Administration
Norm Easey, Chief Executive Officer
Jan Easey, Admin. Assist.
Patty Morrison, Admin. Assist.

We honor and thank the Florida Chapter ISA Past Presidents

2021 - Kim Pearson
2020 - Rob Calley
2019 - Adam Jackson
2018 - Scott Shultz
2017 - Lori Ballard
2016 - Bonnie Marshall
2015 - Celeste White

2014 - Dr. AD Ali
2013 - Patrick Miller
2012 - Eric Hoyer
2011 - Don Winsett
2010 - David Reilly
2009 - Mike Robinson
2008 - Mary Edwards

2007 - Rick Joyce
2006 - Rick Joyce
2005 - Bruce Smith
2004 - Michael Marshall
2003 - Perry Odum
2002 - Perry Odum
2001 - Loren Westenberger

2000 - Dane Buell
1999 - Dr. Ed Gilman
1998 - Richard Bailey
1997 - Joe Samnik
1996 - Joe Samnik

Florida Arborist newsletter is published quarterly by the Florida Chapter of the International Society of Arboriculture, Inc., 7853 South Leewynn Court, Sarasota, FL 34240, and is intended as an educational benefit to our members. Information may be reprinted if credit is given to the author(s) and this newsletter. Please submit all requests and articles to: Norm Easey, 7853 South Leewynn Court, Sarasota, FL 34240, Fax (941)342-0463 Email: Jan@floridaisa.org. Articles submitted will not be returned and are preferred in electronic format via disk or e-mail. The Florida Chapter reserves the right to refuse or edit submitted articles or advertising as seen fit. All pictures, articles, advertisements and other data are in no way to be construed as an endorsement of the author, products, services, or techniques. Likewise, the statements and opinions expressed herein are those of the individual authors and do not represent the view of the FL-ISA, its executive director, board of directors, its chairman, this newsletter or its editor.

Sensors continued from page 1

when white ash trees flowered, catching the subtle change in movement that corresponded to the trees blossoming and pollen release.

Jaeger and her team outfitted two white ash trees on CU Boulder’s East Campus in 2018, working with CU Boulder arborist Vince Aquino to strap equipment to the trunk of each tree. “Previous work suggested trees would need to be out in the open to have enough wind to sway, but we found it not only works on trees inside a city—it’s actually an ideal way to track urban tree growth,” said Jaeger.

Satellite-based, remote sensing tracking methods are useful for monitoring greenness changes in forests dominated by a single species, but it’s hard to learn about a tree species within the city because of the high diversity of species contained within each city block, the team says. Time-lapse cameras also aren’t ideal: they are expensive and raise privacy concerns in populated areas. And while drone imagery can provide high-resolution imagery, getting permission to do daily or weekly fly-overs would be unsustainable. “Accelerometers are discrete, continuous and unaffected by the action or physical barriers a city environment presents. We get high-res, reliable data.”

“Now that we know accelerometers can determine flowering dates, that could be useful in agriculture, pre-

dicting when tree fruit may ripen or knowing when to apply interventions to protect tree buds from extreme weather,” Jaeger said. The technology could also forecast when leaves change color in the fall, measure how much snow sits in forest canopies, or even detect tree damage from bugs.

“Trees are also bioindicators of climate change,” Jaeger said, “So having high-resolution, long-term accelerometer data would help scientists better anticipate how a changing climate will impact tree bloom, tree health and beyond.”

More information: D.M. Jaeger et al, From flowering to foliage: Accelerometers track tree sway to provide high-resolution insights into tree phenology, *Agricultural and Forest Meteorology* (2022). DOI: [10.1016/j.agrformet.2022.108900](https://doi.org/10.1016/j.agrformet.2022.108900)

Provided by University of Colorado at Boulder
 APA citation: Tree sensors track urban growth, flowering and more (2022, May 3) retrieved 21 May 2022 from <https://phys.org/news/2022-05-tree-sensors-track-urban-growth.html> ❖

SILENT AUCTION ITEMS NEEDED


TREES FLORIDA 2022 SILENT AUCTION

BENEFITING THE TREE FUND

~ART, JEWELRY, POTTERY, TOOLS & EQUIPMENT~

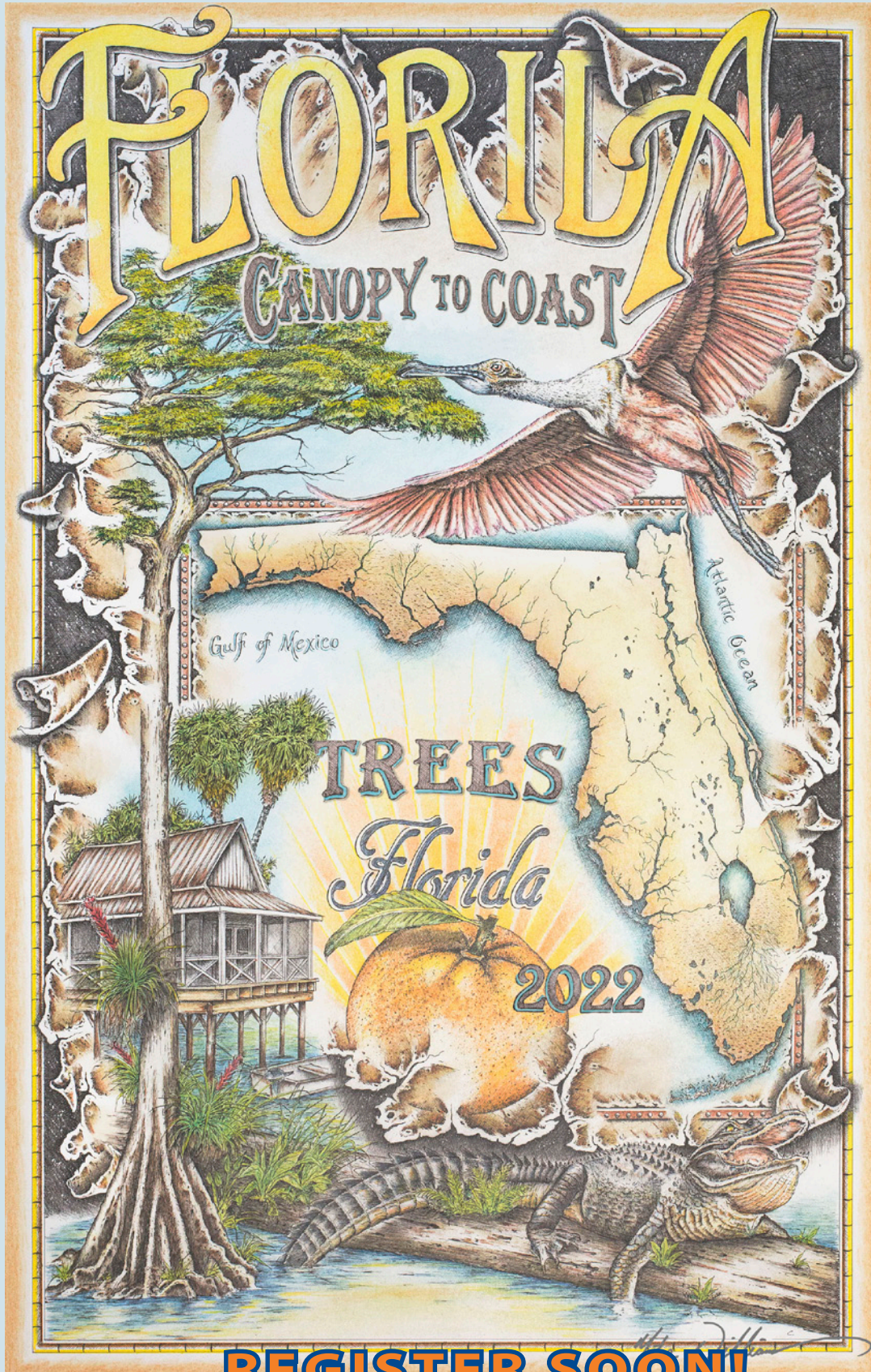
THE FUNDS RAISED GO TO
THE TREE FUND FOR THE
JOHN P. WHITE ENDOWMENT

MORE INFORMATION AT [TREESFLORIDA.COM/SILENT-AUCTION/](https://treesflorida.com/silent-auction/)



CLEARWATER BEACH, FLORIDA

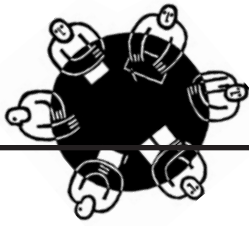
JUNE 20-22, 2022



REGISTER SOON!

LATE REGISTRATION FEES BEGIN JUNE 6TH

[CLICK HERE TO REGISTER](#)



Florida Chapter Board Updates

BOARD SHORTS:

FLORIDA CHAPTER ISA TO CREATE NEW PRUNING CREDENTIAL



At a recent Florida Chapter ISA Board of Directors meeting, the Board approved a proposal to create a new Pruning Credential that will be made available to ISA Certified Arborists in Florida. The credential's design and process will be created by a committee of the Board Chaired by Lori Ballard. The educational components: study guide, work books, exams, etc. will be authored by renowned pruning expert Dr. Ed Gilman, Professor Emeritus, from the University of Florida. The project is anticipated to take 10 months to 1 year to complete.

TREES FLORIDA 2022 CONFERENCE AND TRADE SHOW



We hope to see many of you at the Trees Florida 2022 Conference. [REGISTER SOON](#)- late fees begin June 6th and online registration closes June 10th. After June 1th, plan to register at-the-door.

The Sheraton Sand Key room block is now filled and the overflow hotel, Marriott Clearwater Beach is also now filled. Please make other hotel arrangements for yourself by [searching for nearby options](#). There will be no charge for day-parking at the Sheraton.

SPECIAL ACTIVITIES AT THIS YEAR'S TREES FLORIDA CONFERENCE AND TRADE SHOW



- Student and Early Career Arborists – join us at the conference! We offer discounted student rates for full-time students taking arboriculture-related coursework (just submit an unofficial transcript to the office). We will have a dedicated lunch table on Wednesday for arborists just starting out in their career so you can share personal goals and gain information from each other's experiences.
- The Giving Tree – President Jonathan Frank's charity of choice is the ALS Regional Chapter in honor of past chapter president Bruce Smith who passed away from Lou Gehrig's disease (ALS) in 2014. Buy a leaf and add it to the Giving Tree. Proceeds will be sent to the ALS Tampa Chapter at the completion of the conference. We remember Bruce because of not only his guidance as a chapter leader but his encouragement and teaching of new climbers and his talents in the field of arboriculture.
- Amazon Smile – techie arborists will be on hand to help you sign up for your Amazon 'Smile' account, a program in which Amazon donates a small percentage of your Amazon purchases to the Florida Chapter ISA.



Trees Florida 2022 Conference and Trade Show

June 20-21-22
Sheraton Sand Key Resort
Clearwater Beach

JOIN US!!

The latest info is at
www.treesflorida.com

Florida on Fire, a new episode from Naturally Florida

Shannon Carnevale, UF/IFAS Extension Polk County Natural Resources



Photo UF/IFAS

Florida ecosystems have evolved with fire as a part of their system. Without periodic and regular exposure to fire, Florida's ecosystems often become unbalanced.

In the late 19th and early 20th centuries, the US embarked on a nationwide effort to suppress fire in our natural areas due to the threat it presented to society and the perceived threat to the environment. Unfortunately, this led to a buildup of fuels and overgrowth of forest understory (or in other words, overgrown and weedy forests) which reduced species diversity and increased the threat of dangerous wildfires.

Today, Florida has a robust prescribed fire program to help mimic the natural fires our Florida ecosystems would experience if we weren't here. Prescribed fires help improve habitat and reduce the threat of wildfire. Listen to this month's podcast episode for more information!

[New Episode from Naturally Florida](#)

Naturally Florida (a podcast about Florida's natural areas and the wild things that live here) recently released a new episode about prescribed fire in Florida. In [this episode](#), we explore fire in Florida, what ecosystems burn and why, the history and current state of fire in Florida, and some neat adaptations found in plants and animals of fire-dependent ecosystems.

Update: WRRQ Temporarily on Hold in Florida

The Florida Chapter trained 15 Florida Certified Arborists this past March in Wildfire Risk Reduction with an plan to roll out offering the credential state-wide. Unfortunately the credential is not quite ready for release in Florida. The credential has many excellent features and will be an excellent service that ISA Certified Arborists can offer their customers. For now the credential is in need of some edits to make more applicable in Florida. The developer of the credential, the Texas Forest Service, has agreed to make some changes along the help of the Florida Chapter ISA and the Florida Forest Service. Stay tuned.

Governor Signs Bill Revising Florida Tree Removal Law

Congratulations to the Florida Chapter ISA Government Affairs Committee, and especially our Lobbyist Mr. Jim Spratt for proposing and advocating revisions to the Florida law regulating tree removal on residential property. The revised law [SB 0518](#) was approved by the Florida legislature during the regular 2022 session and was signed into law by the Governor May 18, 2022. The revised law will go into effect July 1, 2022. The changes provide clarity to both ISA Certified Arborists and Florida residents as to what is meant by "presents a danger", "documentation" and what is meant by "residential property". Read the revised law [here](#).

Underground Fungal Colonies Act as Aid Networks for Some Older Trees, Scientists Find

DAVID NIELD: Science Alert 30 OCTOBER 2020

Scientists have examined the relationship between forest fungi and mature trees in greater detail than ever before.

Turns out the more fungal colonies they're connected to, the better the trees grow – an important discovery for forest management and climate change response.

Previous research has shown how fungal organisms can support trees at the seedling stage by passing over nutrients and water, and how older trees can support seedlings in the same way via this fungal network. Here, the team wanted to look specifically at the link between fungi and older trees.

Core samples taken from 350 Douglas firs in British Columbia showed that the wider a tree's network – connections to other trees enabled by fungi colonizing their roots – the more growth the tree saw year on year. It's not certain that the wider network is causing the extra growth, but

it's a strong correlation.

“We found that the more connected an adult tree is, the more it has significant growth advantages, which means the network could really influence large-scale important interactions in the forest, like carbon storage,” says ecologist Joseph Birch from the University of Alberta in Canada.

The researchers explain that fungal networks act as a sort of highway for tree resources – and they can even transmit warnings from other trees about insect attacks and other dangers. When certain trees are struggling, and in poor health, other trees can help out.

Another finding from the study was that trees with connections to more varied fungi types also fared better in terms of growth. Apparently, the more diverse the underground support network, the better for these older trees.

Understanding this symbiotic relationship is going to be crucial in protecting forests for the future and keeping them in good health – not only are trees good at soaking up carbon, they also excel at protecting against soil erosion.

“Large trees make up the bulk of the forest, so they drive what the forest is doing,” says Birch. “These networks may help them grow more steadily even as conditions become more stressful, and could even help buffer trees against death.” [Underground Continued on page 10](#)



IT'S PART OF OUR JOB



Vegetation Management Specialists

800-522-4311 | www.nelsontree.com

**JOHN P. WHITE
MEMORIAL SCHOLARSHIP**



Supporting education in the arboriculture/urban forestry industry.

Applications for the Fall 2022 semester are due by June 15, 2022

[Get More Info ▶](#)

Sponsored by:
Florida Chapter International Society of Arboriculture and Florida Urban Forestry Council



OUR TEAM

JOHN HOLZAEFEL, CA, TRAQ
(352)238-0917

ERIC HOYER, CA, RCA, TRAQ
(863)670-0734

CHARLIE MARCUS, CA, TRAQ
(850)570-5963

STAN ROSENTHAL, TRAQ
(850)508-6771

JAY VOGEL, CA
(352)238-0458

LEGACY ARBORIST SERVICES

A DIVISION OF NRPS FOCUSED ON PROVIDING INNOVATIVE SOLUTIONS
FOR MANAGING THE URBAN FOREST

Tree Inventories and Management Plans

Tree Protection Strategies

Tree Appraisals and Risk Assessment

Tree Ordinance Analysis

Tree Health Care Treatments

Expert Witness Testimony

Educational Workshops

i-Tree/Environmental Analysis



CREATING A LEGACY, GROWING YOUR FUTURE SINCE 1974

www.NRPSforesters.com

Underground continued from page 8

There's plenty more investigation to be done – this study only looked at one type of tree in one part of the world over 16 years, and these sorts of fungal networks are likely to vary from area to area and even year to year. Having more data is always helpful in understanding exactly what's going on in an ecosystem.

Future studies will also need to take a closer look at exactly what nutrients and resources are being passed from fungus to tree root and back again. It's possible that we might find a way of making trees more resistant to the rigors of climate change.

We can thank fungi for helping animal life on Earth get started in the very beginning, and now it seems these fascinating organisms are going to have a crucial role in conserving life on the planet as well.

“Knowing whether fungal networks are operating the same way in other tree species could factor into how we reforest areas after harvesting them, and it could inform how we want to plant trees to preserve these networks,” says Birch.

The research has been published in the Journal of Ecology. ❖

To advertise in the Florida Arborist contact the Florida Chapter office at 941-342-0153.

Our electronic version of the Florida Arborist allows for an active link directly to your website!!

Single Issue advertising rates are as follows:

- Full Page - \$250/issue
- Half Page - \$200/issue
- Quarter Page - \$150/issue
- Business Card - \$75/issue
- Classified Ad - \$25/issue

Discounts for a commitment of 4 consecutive issues:

- Full Page - \$200/issue
- Half Page - \$150/issue
- Quarter Page - \$100/issue
- Business Card - \$50/issue
- Classified Ad - \$25/issue

Prices include one link from the ad to your website. Additional links are \$25/link per issue.

call 941-342-0153
or email jan@floridaisa.org



RPG Trees Are Superior Performers In Your Landscapes

- Hardening-off Trees
- Improving Quality
- Research & Education

*Now More Than Ever...
Look for the RPG Tag for Quality!*

2015-2016 Grower Members

The Arbor Group
Orlando/407-235-8492

Nature Coast Tree Corp
Bell/386-935-9349

BE-MAC Farms
Odessa/813-920-2247

SMR Farms
Bradenton/941-708-3322

Fish Branch Tree Farm
Zolfo Springs/863-735-2242

Snapper Creek Nursery
Ft Pierce/772-216-9993

Marshall Tree Farm
Morrison/800-786-1422

Spectrum Tree Farms
Live Oak/800-753-1379

Stewart's Tree Service
Brooksville/352-796-3426

Associate Members

Cherokee Manufacturing
General Cordage
Graco Fertilizer Company

Grass Roots Nurseries
Treemart

RPG Growers are committed to enhancing the image and quality of field-grown trees through the hardening-off process. Research continues to show that hardened-off field-grown trees are more wind resistant, use water more efficiently at planting, establish faster after planting, and when planted with container trees in a situation of limited water or irrigation will have dramatically higher survival rates.

To Subscribe to the RPG Times Newsletter or to request copies of the Tree Grading, Planting or Pruning Cue Cards contact an RPG member or visit www.rootsplusgrowers.org

TREE CARE INDUSTRY ASSOCIATION



TCIA

YOUR ROAD MAP TO A SUCCESSFUL **TREE CARE** BUSINESS



BUSINESS ACCREDITATION
ONLINE RESOURCES
TCI EXPO & OTHER EVENTS



EXPERTS MENTOR PROGRAM
INDUSTRY PARTNERS
TCIA STAFF



SAFETY CERTIFIED TREECARE
SAFETY PROFESSIONAL
TRAINING MANUALS
WORKSHOPS



Member.tcia.org | 800.733.2622 | membership@tcia.org

THE ROUTE TO BUSINESS GROWTH BEGINS HERE!

2022 ARBORMASTER CLIMBING KIT PRIZE PACKAGE

The Florida Chapter ISA is pleased to announce the 2022 ArborMaster Climbing Kit Prize Package for the Tree Climbing Champion (TCC), held in conjunction with the Chapter's 2022 Tree Climbing Championship (TCC) event. This climbing kit is being offered to each chapter champion (both man and woman), if applicable.

Each prize package includes:

- Silky's Sugoi Professional 390-33 Hand Saw
- Buckingham's Mfg's Tree Squeeze(TM) 2.0 & BuckPack Pro
- Greenworks Commercial Logoed 20-Can BackPack Cooler
- OREGON'S Pazado™ CRKT - Columbia Knife & Tool with frame lock, titanium nitride coated blade and stainless steel handle & OREGON logoed Red Tool Bag
- Vermeer Logoed 16oz Perka Kerstin 16 oz Stainless Steel Mug with molded cork base
- Samson Rope's New 11.5mm ARBORMASTER® Wildcat 150' Climbing Line
- All Access Equipment Logoed 20oz Yeti Rambler
- ArborMaster® - 50% savings for a 2-Day or 3-Day Hands-On Training Module



ALL ACCESS
EQUIPMENT



2022 FLORIDA CHAPTER TCC WINNERS!

Congratulations to Alisha Amundson (Tree Girl Designs, Oviedo) and Ron Thurner (Coastal ArborWorks, Shalimar, FL) for their wins at the spring 2022 Florida TCC Master’s Challenge in Leesburg, FL.



Alisha Amundson



Ron Thurner

WITH GRATITUDE

Our event takes place because of our many sponsors and exhibitors. Special treats this year came from A Budget Tree Service who once again provided the lip-smacking BBQ awards dinner and from Advance Tree Pros who provided free gourmet ice cream options to the climbers and volunteers.

SPONSORS

A Budget Tree Service
 Arbession, Inc.
 Advance Tree Pros
 Akins Tree Care
 Altec
 Asplundh
 At Height

Bandit Industries
 Bartlett Tree Experts
 Central Florida ArborCare
 Cutting Edge Tree Experts
 Earth Advisors
 Husqvarana Group USA
 Miller’s Tree Service

O’Neil’s Tree Service
 Seeds to Trees, LLC
 Superior Equipment/Fanno
 Teufelberger
 Vermeer Southeast

EXHIBITORS

Bandit

Husqvarna Group USA

Vermeer Southeast

2022 FLORIDA TCC EVENT

The five preliminary events were held on Saturday, April 2 and concluded on Sunday, April 3. The Master’s Challenge followed immediately on Sunday. We extend a hearty round of applause to all the climbers who travelled and participated in the Florida TCC. Late afternoon rain didn’t dampen the enthusiasm and the sportsmanship displayed this year – we are proud of our Florida Climbers!

EVENT WINNERS AND SPECIAL AWARDS!

- | | | | |
|---|---|--|---|
| <p>Work Climb Male</p> <ol style="list-style-type: none"> 1. Forrest McCullough 2. Ethan True 3. Paul Lloyd-Jones | <p>Work Climb Female</p> <ol style="list-style-type: none"> 1. Alisha Amundson 2. Danae Jackson | <p>Throwline Male</p> <ol style="list-style-type: none"> 1. Ethan True 2. Paul Lloyd-Jones 3. Forrest McCullough | <p>Throwline Female</p> <ol style="list-style-type: none"> 1. Alisha Amundson 2. Danae Jackson |
| <p>Aerial Rescue Male</p> <ol style="list-style-type: none"> 1. Taylor Passetti 2. Ron Thurner 3. Paul Lloyd-Jones | <p>Aerial Rescue Female</p> <ol style="list-style-type: none"> 1. Alisha Amundson 2. Danae Jackson | <p>Sportsmanship Award: Rob Calley
 Bruce Smith - Pay It Forward Award:
 Nick Meyers</p> | |
| <p>Ascent Event Male</p> <ol style="list-style-type: none"> 1. Forrest McCullough 2. Taylor Passetti 3. Trevor Hill | <p>Ascent Event Female</p> <ol style="list-style-type: none"> 1. Alisha Amundson 2. Danae Jackson | | |

MASTER’S CHALLENGE MALE

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Ron Thurner 2. Forrest McCullough 3. Gary Kohler | <ol style="list-style-type: none"> 4. Paul Lloyd-Jones 5. Ethan True |
|---|--|

MASTER’S CHALLENGE FEMALE

1. Alisha Amundson
2. Danae Jackson

WITH GRATITUDE

We acknowledge and give a huge thanks to our dedicated volunteers, many of whom volunteer every year. The event just couldn’t happen without them, from the judges and time keepers to the scorers to the team leaders to the kids’ activities organizer – we offer sincere thanks. We owe the success of the event to the very dedicated TCC Chair, Adam Jackson. Thanks to Adam for keeping things running smoothly, even in a downpour.

- | | |
|------------------|--------------|
| Head Judge | Nick Meyers |
| Head Scorekeeper | Laura Thomas |
| Head Tech | Adam Jackson |

Thank you to volunteers Alicia Calley, Carucio Da Rocha, Richard Decker, Michael Gendrau, Jonathan Doody, Julie Iooss, Matthew Justice, Henry Laureano, Roberto Parada, Glenn Peroni, Freddy Pinero, Kristopher Ratliff, Mike Rhom, Dan Santos, Carson Smith, Ali Summersill, Argelis Torres, and Paul Warinner as well as the companies that volunteered employees and equipment such as A Budget Tree Service, Advance Tree Pros, DWC Outdoor, and O’Neil’s Tree Service. Some names were not on our list – we thank those who arrived and volunteered at the last minute.

Tree-felling technology improves safety and efficiency

Waka Kotahi New Zealand Transport Agency



A new technology approach to pruning or removing roadside trees that is much safer and more efficient than traditional methods is being put to use in New Zealand.

It's a remote-controlled tree removal system called Tree-Mek, which combines a knuckle boom crane and a 360-degree grasper and saw operated from the safety of the ground. The system operated by Auckland-based company Arborist 360, is the first of its kind in New Zealand.

“This is a fantastic improvement on the traditional approach to tree-felling, especially in a road maintenance environment. It's so much safer for our workers, as they don't have to climb trees or use chain saws at height,” says Waka Kotahi New Zealand Transport Agency Manager Jacqui Hori-Hoult.

The specially designed chain-saw is remotely maneuvered to grasp a trunk or branch of up to 800mm in diameter before cleanly sawing it off. The severed log is then safely lowered to the ground, vastly reducing risks associated with workers using cutting machinery at heights. The crane's 32-meter extension means it can reach over

obstacles and into awkward or limited workspaces.

The system, including the saw, is hydraulically driven which makes it much quieter than a hand-held chain saw.

Arborists are usually called in to remove vegetation or prune trees to improve visibility or lighting on corners or when aging trees overhanging the road pose a safety hazard. Due to the specialist nature of the work, it's sub-contracted to qualified arborists with traffic management teams keeping them and road users safe.

“As well as being much safer to operate, the Tree-Mek is also much quieter so it can be used at night, which is another big asset in roadside tree management. It helps reduce costs and disruption for motorists because we can work at night, clean up and reopen the road before there's much traffic around.”

“It's a great workplace innovation that improves safety and efficiency,” says Jacqui Hori-Hoult. ❖

**MARSHALL
TREE FARM**
Morriston, Florida

Quality, Variety & Service since 1984

2" to 12" caliper specimens with over
30 varieties for our Southeastern landscapes

Customer Service is our specialty, we provide
quotes, pictures and deliveries on your schedule

Visit us at www.marshalltrees.com

**EXCEPTIONALLY HIGH
QUALITY
FIELD GROWN TREES**

Call for current availability
800.786.1422

**ROOTS
PLUS
GROWERS**

Consultant's Corner

by Joe Samnik, Expert Forensic Arborist



THOU SHALL OR SHOULD: BETTER KNOW THE DIFFERENCE

The matter of owning the ANSI Standards and accompanying Best Management Practices (BMP) is not a decision to make. The decision has already been made for you in the marketplace which is becoming more sophisticated each day. Everybody knows that there are 10 Parts to the ANSI Standards. And, at least that many accompanying publications like the Best Management Practices. These are the Standards by which you will be judged either competitively or legally.

At a minimum, you should read, and completely understand those ANSI Parts that partner with your area of expertise. The ANSI Z is also a must own and understood Standard. If you trim or remove trees you should have Part 1 in your private library, and the accompanying BMP which holds the same weight as the Standard does. But Part 1 takes you by the way of normative references to Part 9, the Risk Assessment and BMP.

Risk has become front and center in the psychic of arborists. And with great justification. Lawsuits are on the increase regarding wrongful death and personal injury. Nothing is an accident anymore. Everybody must find fault in somebody else's actions: you had a duty to conduct yourself in a certain manner, you failed in that duty, something bad happened, and it cost somebody

something, negligence. And negligence's favorite attire is the ANSI Standards.

And the place to find fault in an arborist's action, or inaction, may be found in the ANSI Standards.

There are clauses in the Standards which require a mandatory response, and there are clauses in the standards that denote an advisory response. The "shall" and the "should" requirement.

If you should do something and don't, you need to have a good reason why you did not. The Part 9 BMP puts it most succinctly: "Departures from this BMP should be made with careful consideration of the objectives and with supporting rationale. For litigation defense, the entire assessment and departures from this BMP should be documented".

After you have read and think you understand one of the standards, you are then mentally tasked with the observation of how many "shalls" and how many "shoulds" appear in the Standard you are reviewing.

In the Part 9 Standard, Risk, there are 24 "shall" requirements, and 12 "should" advisories. For a Level 1 assessment there are two "shall" requirements, and one "should" advisory statement. For a Level 2 assessment there are zero "shall" requirements and three "should" advisories statements. For a Level 3 assessment there are three "shall" requirements and zero "should" advisory statements.

Contrary to popular assumption, a written report is not required but if selected to communicate the findings of the assessment to the client, there are a minimum of 14 "should" advisory categories to be included in the report. The preferred method of reporting is a written report. In general, verbal reports are not recommended because of the potential for misrepresentation in the chain of communication.

Copies of all Standards, accompanying BMPs, and other recommended literature are available from the Florida Chapter Bookstore. ❖



Wedggle® Direct-Inject™ TREE INJECTION SYSTEM

Our advanced technology
for tree treatment
allows you to

INCREASE THE NUMBER OF TREES YOU TREAT IN A DAY!



- ◆ No drilling damage
- ◆ No mixing at job sites
- ◆ No guarding or return trips
- ◆ No waiting for uptake
- ◆ Treats most trees in five minutes or less!
- ◆ Successful and most profitable add-on service

Multiple injection tips designed for all types of trees, conifers and palms

Insecticides • Fungicides • PGRs • Antibiotics • MicroNutrients

AVAILABLE AT:

WINFIELD™

855-880-0048

www.winfieldpro.com

ArborSystems

Tree Injection Solutions

ArborSystems.com

11,000 tree varieties in North America, but only a few species dot cityscapes

Brad Buck, Senior Public Relations Specialist for UF/IFAS Communications



If you look at trees, especially in Florida's urban areas, you'll generally see southern live oaks or

palms. Makes sense. Those are the two most common species in the Sunshine State's cities.

Indeed, most of America's cities rely on a half-dozen species for the majority of their street and park trees. But there are so many more kinds of trees that you could plant and grow. In North America alone, there are 11,000 tree species, said Andrew Koeser, a University Florida associate professor of environmental horticulture.

Koeser told participants at last month's UF Urban Landscape Summit it's important to plant lots of different kinds of trees in cities so they survive and to increase wildlife habitat, among other reasons.

If you look at Florida, only 10 species make up 63% of Tampa's inland urban forest, and a similar pattern can be found in other Florida municipalities. But if you plant different types of trees in urban areas, you can reduce maintenance costs and infrastructure damage.

"A lack of species diversity sets the stage for tree loss in the face of diseases or pests that prey on certain trees," said Koeser a faculty member at the UF/IFAS Gulf Coast Research and Education Center.

Andrew Koeser, associate professor of environmental horticulture at the UF/IFAS Gulf Coast Research and Education Center. Credit: Tyler Jones, UF/IFAS photography.

For example, in Florida, palm trees are often an iconic and abundant feature of the state's urban areas. Lethal bronzing, which affects a wide range of palms — but is particularly devastating to date palms — is infecting palms throughout the state. Mass plantings of the same species over and over

again can be particularly hard hit by lethal bronzing, as it has spread to about 30 of Florida's 67 counties.

"This dependence on a small subset of trees is largely driven by market forces, public policy and a lack of familiarity surrounding underused tree species," Koeser said. "This often results in tree loss and reductions in the air filtering and shading services they provide."

Other losses include:

- Removing trees. With tree loss can come canopy loss, which translates to an increase in problems like urban heat effect as well as stormwater flooding.
- Reduced access to greenspace, which is necessary for human health and wellbeing.

To bring different kinds of tree species to cities, Koeser and a colleague from Iowa State University are working with a \$50,000 U.S. Department of Agriculture grant to learn how urban areas across the country use various tree species.

Koeser and Grant Thompson, an assistant professor at Iowa State — along with a set of national collaborators — are conducting focus groups. They're interviewing tree growers, landscape architects, urban foresters, governmental authorities, and representatives of government and nonprofit organizations from across the United States.

Deb Hilbert, a recent doctoral graduate from Koeser's program, led focus groups that include tree producers and buyers as well as city officials, among other stakeholders. They want to figure out which of these issues could be addressed in the short term.

Researchers hope to identify the root causes of why the same tree species always seem to be planted in cities across the country.

"Is it a communication problem? Is it a biology problem? Is it an economic problem?" Thompson said. The focus groups are finished, and researchers are still assembling data. ❖



SAVE THE DATES

HURRICANES & TREES:
an indoor seminar

September 21, 2022:
ORLANDO

September 23, 2022:
TAMPA/WIMAUMA

WATCH FOR UPDATES
REGISTRATION
TO OPEN SOON

 **UTD4** Urban Tree Diversity 4



SAVE THE DATE! - Registration to open soon

URBAN TREE DIVERSITY 4

a two-day conference that brings the world's leading researchers and real-world experts together to discuss how science, practice, policy, and community engagement can be used to expand the palette of trees grown and planted in urban environments.

August 2-3, 2022

at the Hilton St. Petersburg Bayfront

News From International

ISA 2022 ANNUAL INTERNATIONAL CONFERENCE: MALMO, SWEDEN

The ISA is excited to return to in-person events in 2022 with the ISA Annual International Conference being hosted in Malmö, Sweden 12-14 September.

The event is hosted by ISA alongside the Swedish ISA Chapter in partnership with their Scandinavian colleagues Denmark and Norway. All speakers will present in English!

Attendees should fly into the Copenhagen airport. While Malmö does have an airport it is a small airport with few international flights.

The ISA 2022 Annual International Conference offers a forum for participants to learn and network with others in the arboricultural profession. This event provides a lineup of keynote speakers and educational breakout sessions led by industry leaders from around the globe, sharing their thoughts and views about research, practice, and technology.

The ISA is excited to have Henrik Sjöman, senior researcher at the Swedish University of Agricultural Sciences and Scientific Curator at Gothenburg Botanical Garden, provide the keynote presentation for the ISA 2022 Annual International Conference. This is the one event to attend to gain insights from a global, industry leading perspective. View the agenda, including speaker information. Hotel and travel information is also available.

[Click here for more conference information](#) and to take advantage of the Early Bird Rate for the 2022 Annual International Conference in Malmö, Sweden on 12 – 14 September.

[Learn about Malmo by clicking here.](#)

UPDATED TREES ARE GOOD CONSUMER BROCHURES ARE NOW AVAILABLE.

The newly revised [Trees Are Good](#) consumer brochures

are now available. These educational brochures promote a greater awareness of the benefits trees provide to communities and the importance of quality care for the health of trees. [Physical copies in English are available for purchase](#) (as well as digital downloads). Purchase a pack of 100 brochures – they are a great tool to hand out to your customers to help educate them on key issues, as well as the value of hiring a professional. [Spanish](#) and [Swedish](#) versions of the updated brochures are available digitally at www.treesaregood.org.



Join the TREE Fund at the Tour des Trees this year and cycle 440 miles over six days through the western part of Iowa. This year's ride takes place from September 3 through 10.

This ride is still the **primary fundraiser** for the TREE Fund and all riders are required to create a fundraising page. See the [details on our website](#) for registration information, travel details, fundraising information, and routes.

Important dates:

Registration: Now until June 20

Event Dates: September 3 to 10

Fundraising Deadline: September 30

We will once again have a [Virtual Ride Option](#) so you can still get in on the fun!

Preserve Florida's Greatest Green Resource - Trees!

**Buy a TreesAreCool plate!
Send in your receipt and
get a free Florida ISA
1-day seminar -
promotion is going on now!**

Through your purchase of the TreesAreCool License Plate for your vehicle, you help benefit our Florida urban tree environments through:

- Tree research
- Scholarships
- Ongoing education of tree-care practitioners
- And provide public education programs about tree care and preservation.

The Tree Tag...Get it Today!



WEB: www.floridaisa.org P: 941-342-0153 E: jan@floridaisa.org

The Florida Chapter of the International Society of Arboriculture (ISA) is a non-profit organization committed to serving the needs of Florida's professional arborists and tree-care consumers.

Florida Chapter ISA - 2022 Education Schedule

*The schedule below is tentative and subject to changes.

[View Florida Chapter Seminars Online](#)

Date	Seminar/Class	Location (s)	Open for Registration
June 20-22, 2022	Trees Florida 2022	Clearwater Beach	Register Online
August 2-3, 2022	Urban Tree Diversity 4	St. Petersburg	
September 21, 2022	Hurricanes and Trees	Orlando	
September 23, 2022	Hurricanes and Trees	Tampa/Wimauma	

Welcome!

New Florida Chapter Members

Below are the individuals that joined the Florida Chapter during the first quarter of 2022. If you see a name from your area of the state, look up their phone number online* and give them a call. Introduce yourself and find out what aspect of arboriculture the new member is involved in. Let's make the Florida Chapter friendlier.

We're all working in different ways for the same goals. Get to know other Chapter members! You might make some helpful connections for the future.

We would like to also thank our renewing members throughout the past year. We sincerely appreciate your support of the Florida Chapter.

- | | | | |
|--|-----------------------------------|---------------------------------------|-------------------------------------|
| James Aaserud, Weirsdale, FL | Nick Eide, Rocklin, CA | Matthew Lindsey, Tallahassee, FL | Christian Salamonsen, Pensacola, FL |
| Ander Alvarez, South Miami, FL | Daniella Fernandez, Miami, FL | Morgan Long, South Daytona, FL | Devon Marchinko, Shalimar, FL |
| Julia Atayi, Baton Rouge, LA | Parker Ferren, Bonita Springs, FL | John Marcilliat, Pace, FL | Bonita Springs, FL |
| Duane Barker, Sarasota, FL | Laurie Frutchey, Bradenton, FL | Andrew Martinez, Tampa, FL | Clint Shockley, Wesley Chapel, FL |
| Jesse Barnett, Tampa, FL | John Fuller, Tampa, FL | Clifton McClintic, Alva, FL | Geoffrey Smith, Saint Augustine, FL |
| Alexander Baskerville, West Palm Beach, FL | Stella Garcia, Dade City, FL | James McCloskey, Fort Lauderdale, FL | Teresa Smith, Eustis, FL |
| Ezwani Binti Abdul Talib, Kajang Malaysia | Johnathan Giaquinta, Orlando, FL | Marquette McManus, St. Petersburg, FL | Donald Smith, Monticello, FL |
| Kenneth Brown, Leesburg, FL | Elia Gomez Figueroa, Doral, FL | Neil Mihalich, Port Charlotte, FL | Mackenzie St Croix, Casselberry, FL |
| Paul Brueggeman, Santa Rosa, CA | Steven Gonzalez, Miami, FL | John Moser, Safety Harbor, FL | Crystal Steverson, Bonifay, FL |
| Jonathan Buckner, Vero Beach, FL | Walter Gravely, Orlando, FL | Doyle Mullins, Midway, FL | Zachary Stewart, Port Orange, FL |
| Steven Burch, Nokomis, FL | Kenneth Grecco, Clermont, FL | Bryan Nipe, Lake Mary, FL | Baily Summer, Tallahassee, FL |
| Kathleen Cahill, Naples, FL | Chris Greene, Brunswick, GA | Jose Nunez-Gomez, Sarasota, FL | Emilio Torres, Pompano Beach, FL |
| Britni Campochiaro, Jupiter, FL | John Grossweiler, Vero Beach, FL | Wyatt Oakleaf, Oviedo, FL | Chelsea Trotter, Orlando, FL |
| Jon Carlson, Dawsonville, GA | Lester Gullede, Lake Wales, FL | Mike Peach, Melbourne, FL | Ethan True, Deltona, FL |
| Theresa Chormanski, Miami, FL | Brian Hartel, Pennington, NJ | Andy Perez, Miami, FL | Todd Turi, Daytona, FL |
| Adam Clay, Largo, FL | Randolph Hoover, Norfolk, VA | Steven Perham, Interlachen, FL | Paul Warinner, Venice, FL |
| Michele Cordioli, Clearwater, FL | Philip Hunter, Gainesville, FL | Clinton Petersen, Titusville, FL | Bryan Welborn, Keystone Heights, FL |
| Garner Cox, Yulee, FL | Enrique Izaguirre, Miami, FL | Jessica Pimentel, Miami Beach, FL | Elise Willis, Saint Petersburg, FL |
| David Darby, Eustis, FL | Kenneth Jones, Thonotosassa, FL | Brenda Pratt, Tallahassee, FL | Angel Wilson, Gainesville, FL |
| Carol Delehanty, Venice, FL | Brent Jordan, Jay, FL | Teomar Quinones, Tampa, FL | Michal Yacino, North Port, FL |
| Boyd Deley, Jacksonville, FL | Shayne Knitz, Dover, FL | Mikel Ritch, Jacksonville, FL | Karina Zaldivar, Miami, FL |
| Rosberty Rodriguez, Sarasota, FL | Cory Kobernick, Lancaster, KY | Eric-Joel Rivera, Tampa, FL | |
| | Gary Kohler, Hartland, WI | Samantha Swartz, Alachua, FL | |
| | Ava Konstanz, Gulf Breeze, FL | | |
| | Sierra Kozawick, Haines City, FL | | |
| | Rodrigo Lara, Parkland, FL | | |
| | Brett Levin, Tampa, FL | | |

**Go to <http://www.isa-arbor.com>, then go to "Members Only" and log in. Then go to ISA membership directory. If you do not know your log in for members only, contact ISA headquarters at (888) 472-8733. Once you log in, you can update your address, check your CEU's, edit or verify Certified Arborist information and search the membership list.*

Letters to the Editor

We welcome your thoughts about Florida Arborist articles, about your Florida Chapter, or about tree issues in general.



Email your letters to:
jan@floridaisa.org

or mail to:
Florida Chapter - ISA
7853 S. Leewynn Court
Sarasota, FL 34240

Please remember: Letters should be no longer than 300 words. We reserve the right to condense letters, or to edit as necessary.

An invitation to all members
to attend a

Board of Directors Meeting!
Call 941-342-0153
for specific times and locations

Up-coming 2022 Board Meeting - Dates & Locations

June 19, 2022: Clearwater
September 16, 2022: Orlando
November 18, 2022: Orlando

Arborist Certification Committee Report

By Norm Easey, Florida Certification Liaison

[Click here to view all scheduled exams](#); clicking on the “state” column will group all Florida exams together for easy searching. Relatively few in-person exams are currently scheduled; look into taking your exam at a Pearson Testing Center (throughout Florida - most are open with COVID safety precautions).

See the [ISA International](#) website for more information about the various ISA arborist credentials and how to earn them.

Florida Chapter currently has 2229 Certified Arborists.

The Florida Chapter would like to congratulate the following 61 Florida or Florida Chapter individuals for earning their certifications during the 1st quarter of 2022 as Certified Arborist, Board Certified Master Arborist and Utility Specialist as well as TRAQ Qualified:

Certified Arborist

James Aaserud, Weirsdale, FL
 Kevin Airhart, Sanford, FL
 Ashley Hagan Binder, Tallahassee, FL
 William Carleton, Clermont, FL
 Theresa Ann Chormanski, Miami, FL
 Michael Cihal, Davie, FL
 James Clay, Welaka, FL
 Matthew Davis, Biscayne Park, FL
 Adam Edwards, West Palm Beach, FL
 Faith Glinatsis, Nokomis, FL
 Lester Gullede, Lake Wales, FL
 Jessica Hong, Gainesville, FL
 Olivia Johnson, Boca Raton, FL
 Nicholas Johnston, Odessa, FL
 Tyler Kirkpatrick-Thomas, Tampa, FL
 Daniel Lambert, Tallahassee, FL
 Joseph Mlinar, Saint Petersburg, FL
 Simon Nunez, Orange City, FL
 Montague Pereira, Saint Petersburg, FL
 Christopher Rauscher, Orlando, FL
 Jerome Reiss, Sarasota, FL
 Fernando Rivera, Cutler Bay, FL
 Edward Rolquin, Tampa, FL
 Clint Shockley, Wesley Chapel, FL
 Travis Simmons, Maitland, FL
 Cary Strukel, Seminole, FL
 William West, Gainesville, FL

Board Certified Master Arborist

Brian Pope, Sopchoppy, FL

Utility Specialist

Mitchell Pierce, Inverness, FL
 Leigh Saint, Bristol, FL
 Henry Salazar, Saint Petersburg, FL



TRAQ Qualifications

Joseph Brooker, Tampa, FL
 Johnny Cannon, Plantation, FL
 Garner Cox, Yulee, FL
 Stephen Davis, Palm Beach Gardens, FL
 Raphael Gonzalez, Homestead, FL
 Rick Harman, West Palm Beach, FL
 Nicholas Hart, Miami, FL
 David Holley, Callahan, FL
 Albert Jaques, Naples, FL
 Phillip Karker, Sarasota, FL
 Nathan Keller, Gibsonton, FL
 Colin Kelly, Oviedo, FL
 Brad Lovett, Coconut Creek, FL
 Eric Mayorga, Miami, FL
 Patrick Murphy, Sunrise, FL
 Simon Nunez, Orange City, FL
 Chris O’Hara, Palm Bay, FL
 Michael O’Neill, Loxahatchee, FL
 Kyra Paris, Lake Worth, FL
 Rebecca Pendergast, Myakka City, FL
 Leigh Saint, Bristol, FL
 Juan Sanchez, Spring Hill, FL
 Austin Spivey, Deland, FL
 Ryan St. George, Miami, FL
 Cary Strukel, Seminole, FL
 Robert Sunshine, Miami, FL
 Chelsea Trottier, Orlando, FL
 Clifford Vann, Gainesville, FL
 Mason Ward, Englewood, FL
 Keith Weyrick, Miami, FL

Are you thinking about becoming certified?

[Visit the International ISA website](#) To access the certification application handbook with further information.

International Society of Arboriculture Florida Chapter

Our Mission: "To Promote and Improve the
Scientifically Based Practice of Professional Arboriculture"



Arborist Code of Ethics

Strive for continuous self-development by increasing their qualifications and technical proficiency by staying abreast of technological and scientific developments affecting the profession.

Not misuse or omit material facts in promoting technical information, products or services if the effect would be to mislead or misrepresent.

Hold paramount the safety and health of all people, and endeavor to protect property and the environment in the performances of professional responsibilities.

Accurately and fairly represent their capabilities, qualifications and experience and those of their employees and/or agents.

Subscribe to fair and honest business practices in dealing with clients, suppliers, employees and other professionals.

Support the improvement of professional services and products through encouraging research and development.

Observe the standards and promote adherence to the ethics embodied in this code.



Florida Arborist
Florida Chapter ISA
7853 South Leewynn Court
Sarasota, FL 34240