

63rd Annual SNA Research Conference Schedule

MONDAY, JANUARY 7, 2019

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| 1:00 p.m. - 2:00 p.m. | Load Talks |
| 2:00 p.m. - 2:50 p.m. | Bryson L. James Student Research Competition |
| 3:00 p.m. - 3:10 p.m. | Entomology |
| 3:10 p.m. - 3:20 p.m. | Floriculture |
| 3:20 p.m. - 3:30 p.m. | Landscape |
| 3:30 p.m. - 4:00 p.m. | Plant Breeding and Genetics |
| 4:00 p.m. - 4:10 p.m. | Propagation |
| 4:10 p.m. - 4:40 p.m. | Water Management |

TUESDAY, JANUARY 8, 2019

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| 9:00 a.m. - 10:00 a.m. | Load Talks |
| 10:00 a.m. - 10:20 a.m. | Container Grown Plant Production |
| 10:20 a.m. - 10:50 a.m. | Economics and Marketing |
| 10:50 a.m. - 11:10 a.m. | Engineering Structures Innovations |
| 11:10 a.m. - 11:30 a.m. | Pathology and Nematology |
| 12:00 p.m. - 1:30 p.m. | SNA PowerLunch Session Luncheon and Awards Presentation |

MONDAY, JANUARY 7, 2019

BRYSON L. JAMES STUDENT RESEARCH COMPETITION

2:00 PM - 2:20 PM M.S. Candidates

- GA Hybridization of Native *Asclepias* Species for the Creation of Novel Cultivars
Mary Lewis, Matthew Chappell, Paul Thomas, Donglin Zhang
- MD Modifying Green Roof Substrates for Nutrient Retention in Urban Farming Systems
Ian Howard, John Lea-Cox, Andrew Ristvey

2:20 PM - 2:50 PM Ph.D. Candidates

- GA Flurprimidol and Paclobutrazol Drench Applications Influence Growth of *Helianthus simulans*
Kaitlin Barrios and John M. Ruter
- SC South Carolina Irrigation Source Water Use and Concerns for the Specialty Crops Production Industry
Lauren M. Garcia Chance, N.L. Bell, M.E. Chase, and S.A. White
- MS Soft and Semi-Hardwood Cutting Propagation of Shumaka™ Crape Myrtle
J. B. Ryals, P. R. Knight, S. A. Langlois, E. K. Blythe, J. S. Baldwin, C. E. H. Coker, G. R. Bachman, and J. DelPrince

3:00 PM - 3:10 PM

Entomology

- AL Time of Day Influences Performance of Spinosad Against Chilli Thrips
Jeremy Pickens, David Held, and Kyle Owsley

Publication Only

- TN *Amblyseius swirskii* as a Tool for Pest Management in Nursery Production
Karla M. Adesso and Paul A. O'Neal
- TN Active Predators of Crape Myrtle Bark Scale
Victoria Hicks, Kyle A. Gilder, and Kevin M. Heinz
- AL Monitoring Carpenterworm Moths in Nurseries with Pheromone and Ethanol Lures
David Held, Jeremy Pickens, and Kyle Owsley
- AL Phenology and Control of False Oleander Scale
David Held and Kendra Carson

3:10 PM - 3:20 PM

Floriculture

- VA Container Production of Hybrid Echinacea: Two Steps Forward...
Holly Scoggins, Mara Grossman, Joyce Latimer, and Margaret Aiken

3:20 PM - 3:30 PM

Landscape

- GA Perennial Wheat on Georgia Roadsides: A Pilot Study
Brad Davis and Matthew Quirey

3:30 PM - 4:00 PM

Plant Breeding and Genetics

- KY Harnessing the Power of Epigenetic Priming to Improve Stress Tolerance in Vegetatively Propagated Perennial Crops
Carlos Marcelino and Rodriguez Lopez

- GA 'Formosan Gold' Sweetgum
John M. Ruter and Kaitlin Barrios
- OR Two SNPs Identified Using GBS are Associated With Reblooming in Dwarf Lilacs
Ryan Contreras, Hsuan Chen, Jason Lattier, and Kelly Vining

4:00 PM - 4:10 PM

Propagation

- KY Using a Modified Hydroponic System for Cutting Stockplants
Robert Geneve

Publication Only

- MX Plantlet Morphology and Fertilization Regime Affect Growth and Productivity of Micropropagated *Turbinicarpus salero* ssp. *ysabelae* (Schlange) (Cactaceae) after transplantation
Andrés Adolfo and Estrada-Luna

4:10 PM - 4:40 PM

Water Management

- SC Phosphorus Remediation From Nursery Runoff Using Pilot Scale Filters
Sarah A. White, John C. Majsztzik, William H.J. Strosnider, Megan E. Chase, and Lauren M. Garcia Chance
- NC Effect of High pH, Low Alkaline Irrigation Source Water on Physiology of Select Species in Container Plant Production
Anthony V. LeBude, James S. Owen, and Courtney Holmes
- VA Sediment and Nutrient Movement in a Container Nursery: What Happens During an Irrigation or Storm Event?
Mohammad Nayeb Yazdi, David J. Sample, James S. Owen, Jr., and Durelle Scott

Publication Only

- FL Monitoring Container Water Loss and Gain With a Data-logging Scale
Jeff Million and Tom Yeager

TUESDAY, JANUARY 8, 2019

10:00 AM - 10:20 AM

Container Grown Plant Production

- AL Effects of Lime and Fertilizer Rate on the Growth of the Citrus Rootstock, *Poncirus trifoliata* var. *monstrosa* 'Flying Dragon'
Jeremy M. Pickens and John W. Olive
- AL Greenhouse Gas Emissions as Impacted by High Wood Fiber Substrate in the Production of Three Annual Crops
Anna-Marie Murphy, Stephen A. Prior, G. Brett Runion, H. Allen Torbert, Jeffrey L. Sibley, Glenn B. Fain and Jeremy M. Pickens

Publication Only

- FL Response of Spiraea and Buddleia to Controlled-release Fertilizer With and Without Phosphorus
Danielle Haynos and Tom Yeager
- TN Effects of Compost Substrates on Root Zone Temperature and Growth of Arborvitae
Anthony L. Witcher and Jeremy M. Pickens
- MX Root Colonization with Arbuscular Mycorrhizal Fungi Improves Nutrient Status, Growth and Physiological Performance of the Flamingo Flower (*Anthurium pedato-radiatum* Schott. subsp. *pedato-radiatum*: Araceae)
Aurora Genoveva Palafox Arroyo, Andrés Adolfo Estrada-Luna, Victor Olalde-Portugal, and César Daniel Estrada-De La Rosa
- NJ Diagnosing Aesthetic and Growth Disorders in Hydrangea Plants Under Commercial Nursery Production
Raul I. Cabrera and Eric Petit

10:20 AM - 10:50 AM

Economics and Marketing

- TN Tennessee Home Gardeners' Preferences for Environmental Attributes in Gardening Supplies: A MIMIC Model Approach
McKenzie Thomas, Kimberly Jensen, Christopher Clark, Burton English, and Forbes Walker
- FL Consumer and Producer Preferences for Neonicotinoid Pesticide Labeling in the U.S. Green Industry
Hayk Khachatryan and Xuan Wei and Alicia Rihn

KY Engaging Elementary Students Into Science-based Agriculture in the University of Kentucky Research and Education Center at Princeton
Zenaida Vilorio, Winston Dunwell, Ric Bessin, Edwin Ritchey, Daniel Becker, Amanda Martin, and Raul Villanueva

Publication Only

TN Potential Trade Impacts of Tariffs On U. S. Nursery Floricultural Products
Enefiok Ekanem and Mary Mafuyai

10:50 AM - 11:10 AM

Engineering Structures Innovations

MD Monitoring Urban Landscapes to Measure Ecosystem Services
John Lea-Cox, Bruk Belayneh, Olyssa Starry and Darren DeStefano

AL Evaluation of Shade Cloth Color in Cooling Efficiency
Jeremy M. Pickens, Raymond J. Kessler and Daniel Wells

11:10 AM - 11:30 AM

Pathology and Nematology

VA Utilization of Plant Endophytes for Control of Boxwood Blight
Ping Kong and Chuanxue Hong

Al Research Update on Bacterial Gall of Loropetalum
Jeremy Pickens, Kassie N. Conner, and John W. Olive

Publication Only

TN Management of Cercospora Leaf Spot of Hydrangea with Fungicides and Biorational Products
Fulya Baysal-Gurel and Terri Simmons

TN Evaluation of Fungicide Rotations at Different Application Intervals for the Control of Powdery Mildew of Dogwood
Fulya Baysal-Gurel and Terri Simmons

12:00 PM – 1:30 PM

SNA PowerLunch Session

Luncheon & Awards Presentation