

62nd Annual SNA Research Conference Schedule

Tuesday, January 9, 2018

8:00 a.m. - 8:30 a.m. Load Talks
 8:30 a.m. - 9:10 a.m. Bryson L. James Student Research Competition
 9:10 a.m. - 9:20 a.m. Container Grown Plant Production
 9:20 a.m. - 9:30 a.m. Entomology and Nematology
 9:30 a.m. - 9:40 a.m. Field Production
 9:40 a.m. - 9:50 a.m. Floriculture
 9:50 a.m. - 10:00 a.m. Break

10:00 a.m. - 10:10 a.m. Landscape
 10:10 a.m. - 10:40 a.m. Pathology and Nematology
 10:40 a.m. - 10:50 a.m. Plant Breeding and Genetics
 10:50 a.m. - 11:00 a.m. Propagation
 11:00 a.m. - 11:20 a.m. Water Management
 11:20 a.m. - 11:40 a.m. Economics and Marketing

12:15 PM - 1:45 PM SNA PowerLunch Session – *Food for Thought* Researcher Luncheon and Awards Presentation

Tuesday, January 9, 2018

BRYSON L. JAMES STUDENT RESEARCH COMPETITION

8:30 AM - 8:40 AM M.S. Candidates

TN Evaluation of Fungicides and Biofungicides for Control of *Phytophthora cinnamomi* on Flood-Stressed Flowering Dogwoods
 Matthew Brown, Fulya Baysal-Gurel, Jason Oliver and Karla Addesso (Pathology and Nematology)

8:40 AM - 9:10 AM Ph.D. Candidates

GA Modeling Energy-efficient Lighting Strategies for Petunia and Impatiens Using Chlorophyll Fluorescence and Historical Weather Data
 Geoffrey M. Weaver and Marc W. van Iersel (Floriculture)

TN Effect of Fungicides and Biorational Products on Phytophthora Root Rot of Hydrangea Cultivars
 Md Niamul Kabir and Fulya Baysal-Gurel (Pathology and Nematology)

GA Mutagenesis of *Illicium parviflorum* for Novel Phenotype
 Kaitlin Barrios and John M. Ruter (Plant Breeding and Genetics)

9:10 AM - 9:20 AM CONTAINER GROWN PLANT PRODUCTION

AL Effects of Container Color on Root Zone Temperature and Growth of Green Giant Arborvitae
 Jeremy M. Pickens and Anthony L. Witcher

Publication Only

TX Academic and Economic Benefits Accrue From Integration of Nursery Production and Propagation Learning Experiences Within a Multidisciplinary LID Landscape Project
 Michael A. Arnold, Galen Newman, Ming-Han Li, Jun-Hyun Kim and Kung-Hui Chu

9:20 AM - 9:30 AM ENTOMOLOGY

TN Managing Flatheaded Appletree Borer With Cover Crops
 Karla Addesso, Jason Oliver and Anthony Witcher

9:30 AM - 9:40 AM FIELD PRODUCTION

TN Effects of Tree Guards on Field Grown Maple Liners
 Donna Fare, Fulya Baysa-Gurel, Karla Addesso and Jason Oliver

9:40 AM - 9:50 AM FLORICULTURE

AL Results Using Flue Gas Desulfurization Gypsum in Soilless Substrates for Greenhouse Crops
 B.W Brown, J.L. Sibley, D.E. Wells, D.J. Eakes, W.G. Foshee, III, H.A. Torbert and D.B. Watts

Publication Only

NJ Improving Fertilizer Use Efficiency in Greenhouse Rose Crops
 Raul I. Cabrera

**9:50 AM - 10:00 AM
BREAK**

**10:00 AM - 10:10 AM
LANDSCAPE**

- FL Biology and Potential Impacts of the Emerging Pest, Crape Myrtle Bark Scale
Gary Knox, M. Gu, M. Merchant, E. Vafaie, Y. Chen and J. Robbins

**10:10 AM - 10:40 AM
PATHOLOGY AND NEMATOLOGY**

- TN Genetic Evaluation for Resistance to Major Root Rot Diseases on Oak Leaf Hydrangea
Md Niamul Kabir, Terri Simmons, Lisa Alexander and Fulya Baysal-Gurel
- DC Combating Rose Rosette Disease: The Disease, the Virus and the Development of New Virus Detection Technologies
Ramon Jordan, John Hammond, Francisco Ochoa-Corona, Jennifer Olson, Mathews Paret, Binoy Babu, Kevin Ong, and David Byrne
- TN Response of Bigleaf Hydrangea Cultivars to Powdery Mildew Disease
Fulya Baysal-Gurel, Lisa W. Alexander, Prabha Liyanapathirana and Md Miamul Kabir

Publication Only

- TN Phylogenetic Biodiversity of Endophytic Fungi in *Cornus florida* L.
Asha Maheshwari and Margaret T. Mmbaga

**10:40 AM - 10:50 AM
PLANT BREEDING AND EVALUATION**

- GA Production Trial of 143 Commercially Available Azalea Cultivars
Matthew Chappell

**10:50 AM - 11:00 AM
PROPAGATION**

- MS Hardwood Cutting Propagation of Sequoyah Crape Myrtle
Patricia R. Knight, Scott Langlois, Eugene Blythe, J. Skylar Baldwin, Christine Coker, Gary Bachman and Jim DelPrince

Publication Only

- MX Responses of *Astrophytum asterias* (Zucc.) Lem (Cactaceae) to Cytokinins in the Activation of Areoles During Mass Propagation Under In Vitro Conditions
Abraham Agustin, Arellano Perusquía and Andrés Adolfo Estrada-Luna

**11:00 AM - 11:20 AM
WATER MANAGEMENT**

- SC Clean Water3: Helping Growers Save Water and Money
Sarah A. White
- TN Comparison of On-demand and Conventional Irrigation Regimes for 'Silver Dollar' Hydrangea Grown Outdoors in Biochar-amended Pine Bark
Nastaran Basiri Jahromi, Forbes Walker, Amy Fulcher, James Altland and W. C. Wright

Publication Only

- FL Routine Leaching Fraction Testing Reduces Micro-irrigation Water Use
Jeff Million and Tom Yeager

**11:20 AM - 11:40 AM
ECONOMICS AND MARKETING**

- KS Plant-purchasing Preferences of Millennial-aged Consumers: A Qualitative Case Study.
Lauri M. Baker, Andres De Leon, Ernest Jones, Deanna Reid, Kelsey Tully and Cheryl R. Boyer
- TN Closing In on Gender Divide: Nursery and Floriculture Industry
Mary Mafuyai and Enefiok Ekanem

Publication Only

- TN Utilization of Part-time and Temporary Labor in the Tennessee Nursery Industry
Enefiok Ekanem and Mary Mafuyai

12:15 PM - 1:45 PM

SNA PowerLunch Session – *Food for Thought* Researcher Luncheon and Awards Presentation