Georgia Urban Forest Council's 28th Annual Conference
Jekyll Island Club Hotel
November 14-15, 2018
Creating Resilient Urban Forests

Program Agenda

Pre-conference Activity, Tuesday, November 13

4:00 – 6:00 p.m. Tree Board Roundtable

Day One, Wednesday, November 14

7:00 – 8:00 a.m. Breakfast in Grand Dining Room – *bring breakfast voucher*

GENERAL SESSION ROOM

8:00 – 10:00 a.m. Welcome and Announcements - GUFC Executive Director & President

- ***The Coming Hurricanes, Sea Level Rise, and Effects on Community Trees***
  Dr. Kim D. Coder, Professor of Tree Biology & Health Care, & Hill Fellow
  Warnell School of Forestry & Natural Resources
  University of Georgia, Athens, GA

  Across the last 12,000 years, Georgia's coastline has changed radically. Sea level and the beach edge location has varied greatly. Coastal currents and large storms have sculpted the land and helped generate unique maritime forest systems. Coastal Georgia is not finished changing. Using new types of measurement instruments, sea level, king tides, and storm surge heights are on the rise. The increasing energetics of hurricanes and storm wave action are becoming more impactful. Island and mainland community trees along the coast, along with their owners and managers, will be challenged by the next two generations of coastal change.

- ***The Impact of Light Pollution on the Urban Ecology and Human Health***
  Puneet Dwivedi, Ph.D., Assistant Professor, Sustainability Sciences
  Warnell School of Forestry and Natural Resources,University of Georgia

  Light pollution is the fastest growing pollution in the world with a significant negative impact on urban ecology and human health. This presentation will explain the concept of light pollution first and then present some published examples on the impact of growing light pollution on urban trees and streams. Additionally, the impact of light pollution on human health will be discussed. Finally, the role of trees in reducing light pollution will be discussed in the context of urban areas.

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

BREAKOUT ROOMS

10:30 – 11:30 a.m. **Breakout Sessions**

- ***Better Root Systems with Gravel Beds:*** **Eric Kuehler**, Science Delivery/Technology Specialist, US Forest Service, Southern Research Station, Athens, GA

  Eric will discuss an innovative and inexpensive method for cities to plant more trees using a simple gravel bed to grow abundant fibrous roots for out-planting. This method allows for larger bare-root trees to be planted anytime of year.

- ***The What, Why, & How of High-Performance Urban Trees :*** **Matthew Werle**, consultant at GreenBlue Urban, Urban Landscape and Infrastructure Design

  Matthew's strong background in developing sustainable solutions for green infrastructure is an asset that helps create sustainable cities across the USA. High-performance urban trees offer many economic, social, and environmental benefits. But what are "high-performance trees" and

how are they produced in our urban areas? This session addresses these questions in a thought-provoking presentation that analyzes and defines the factors that contribute to high-performance urban tree establishment, and the key to realizing their benefits.

- ***Live Oak Conservation and the Renovation of the Jekyll Island Beach Village***: **David Dechant,** LEED®AP, SITES®AP, ISA Board Certified Master Arborist, ISA Certified Municipal Specialist, ISA Qualified Tree Risk Assessor with Arborguard Tree Specialists

  David will discuss the redesign of the roundabout to save a tree special to the project, the reasons why organic soil care was selected as the preferred remedial aftercare program for 34 relocated live oak trees, demolition of the existing convention center and retail district, the live oak relocation process, and the final product.

11:30 – Noon Break with exhibitors

Noon – 1:30 p.m. **EXCELLENCE IN URBAN FORESTRY AWARDS LUNCHEON** *In Grand Dining Room*

1:30 – 2:00 p.m. Break

2:00 – 4:30 p.m. Tour

- ***Afternoon Tour:*** We'll board buses and tour Jekyll's forest of pines and live oak killed by wave action and also see the effects of salt spray on Jekyll's live oaks. We'll also view the Captain Wylie Scenic Corridor" tree plantings funded in part by Georgia ReLeaf and Live Oak Conservation and the Renovation of the Jekyll Island Beach Village.

5:00 – 7:00 p.m. **Evening Reception** *in Crane Cottage Courtyard – bring your drink ticket / CEU Sign-up*

Day Two, Thursday, November 15

7:00 – 8:00 a.m. **Breakfast Buffet** in *Grand Dining Room* – bring breakfast voucher

GENERAL SESSION ROOM

8:00 – 10:00 a.m. ***Biophilia and Biophilic Design:*** **Dan Slone**, partner and co-founder of Vertical Vision PLC will discuss biophilia, the human tendency to interact with nature, and biophilic design, an innovative way of designing the places where we live, work, and learn , where buildings and environments connect people and nature and create healthier communities.

10 a.m. – 10:30 a.m. Break with exhibitors

BREAKOUT ROOMS

10:30 – 11:30 a.m. Breakout Sessions

- ***Identifying and Battling Invasive Species in the Urban Forest:*** **Eamonn Lenard**, Coastal Georgia CISMA (Cooperative Invasives Species Management Areas) Chairman, discusses the invasive species on the coast and how they are managed.

- ***Understanding Utility Arboricultural Practices:*** Georgia Power Company Forestry and Rights of Way Services Coordinator **Kym Stephens** educates on ISA standards for the utility industry.

- ***Panel Discussion: Which tree species have fared better in storms?*** A panel of conference attendees from municipalities and the arboriculture field share experiences and give insights on the most resilient trees they have seen in recent storms.

11:30 – Noon	Break with exhibitors
Noon – 1:00 p.m.	Lunch
1:30 – 3:00 p.m.	**Dr. Kim Coder:** ***The Ecology of Live Oaks for Coastal Communities*** Warnell School of Forestry & Natural Resources University of Georgia, Athens, GA

Live oaks are pillars of many communities along Georgia's coast. Live oaks were the foundation of early naval commerce in the British, Spanish, and French colonies. Extensive live oak harvesting by Northern shipyards, naval live oak reserves, and live oak pirates helped shape our new nation. The ancient live oak remnants of monstrous size are few, but their offspring cover landscapes, yards, and streets of beautiful and historic communities. Understanding live oak – its identification, growth, survival and life – requires a deep appreciation of biology, ecology, and time passages.

ADJOURN / CEU Sign-up