

**2023 Habitat Management Symposium**

October 2 – 4, 2023 / 9 AM - 4 PM EST

Kentucky State University

Harold R. Benson Research and Demonstration Farm

1525 Mills Ln.

Frankfort, KY

**Draft Agenda:**

**October 2nd – Remote Sensing**

**8:30 AM Registration (Coffee and pastries provided)**

**9:00 AM Introduction and Opening Remarks**

* *Kasia Bradley and Jody Thompson, Kentucky State University*

**9:15 AM Relative Accuracies of LiDAR-mounted Drones vs. Traditional Visual Assessments for Determining Amur Honeysuckle Composition in Forest Understory Environments**

* *Jeremy Sandifer, Kentucky State University*

**10:00 AM Wetlands and Natural Based Solutions for Climate Management Efforts**

* *Dr. Andrea Gaughan, University of Louisville*

**10:45 AM Drone use in Forest Operations and Management**

* *Dr. Richard Cristan, Auburn University*

**11:45 PM Lunch –** *Provided by Local’s Food Hub and Pizza Pub, Frankfort, KY*

**1:00 PM Use of Landsat Data to Characterize Burn Severity, Forest Structure and Invasion by Paulownia Tomentosa in an Eastern Deciduous Forest, Kentucky**

* *Dr. Suraj Upadhaya, Kentucky State University*

**1:45 PM Using a GeoSLAM Remote Sensing Device: Cave Applications and Demonstration**

* *Mark Schnesk, Seiler Geospatial, Louisville, KY*

**2:45 PM Break**

**3:00 PM** **Drone Use and Demonstrations**

* *Seiler Geospatial, Louisville, KY*

**4:00 PM Closing Remarks, Survey, CEUs**

**4:15 PM End**

**October 3rd – Habitat Management**

**8:30 AM Registration (Coffee and pastries provided)**

**9:00 AM Welcome**

* *Kasia Bradley, Kentucky State University and Ellen Crocker, University of Kentucky*

**9:15 AM** **Promoting Oak Advance Regeneration while Limiting Competition and the Silviculture Practice of Mid-story Removal**

* *Dr. Jacob Muller, University of Kentucky*

**10:00 AM Alternative Control Methods for Non-Native Invasive Plants: Goats**

* *David Neville, Capstone Farms*

**10:45 AM Break**

**11:00 AM Cedar Thinning / Woody Encroachment Management in Grassland and Glade Habitats**

* *Dylan Abner, Office of KY Nature Preserves*

**12:00 PM Lunch** – *Provided by Farm to Fork, Louisville, KY*

**1:00 PM** **Using Native Vegetation in Solar Farms: The Challenges and Opportunities**

* *Robert Hoffman, Roundstone Native Seed*

**1:50 PM** **The Use of Fire as a Tool for Controlling Invasive Woody Plants**

* *Kentucky Prescribed Fire Council / KDFWR*

**2:45 PM Break**

**3:00 PM Remove Invasives Partnership’s Projects and Goals**

* *Chris Schimmoeller, Remove Invasives Partnership, Frankfort, KY*

**3:50 PM Closing Remarks, Survey, CEUs**

**4:00 PM End**

**October 4th – Habitat Management**

**8:30 AM Registration (Coffee and pastries provided)**

**9:00 AM Introduction and Opening Remarks**

* *Kasia Bradley and Jody Thompson, Kentucky State University*

**9:10 AM Prescribed Fire - Selection of Fire Intensity to Meet Management Objectives**

* *Kentucky Prescribed Fire Council / KDFWR*

**10:00 AM Management – Wildlife Disease**

* *Dr. Matthew Springer, University of Kentucky*

**10:50 AM Break**

**11:10 AM Small Scale Streams: Habitat and Restoration**

* *KY Dept of Fish and Wildlife Resources, Stream Team*

**12:00 PM Lunch** – Provided by Bayou Bluegrass, Lexington, KY

**1:00 PM Pine Barrens Restoration at a State Nature Preserve near Mt. Victory, KY**

* *Ryan Fortenberry, Office of KY Nature Preserves*

**1:50 PM Implementations to Improve or Preserve Conditions for Bats on your Property**

* *Daniel Carr, Copperhead Consulting*

**2:45 PM Break**

**3 :00 PM Guidelines for Assessing Habitat Quality for Native Bees**

* *Kristin Conrad, Kentucky State University*

**3:50 PM Closing Remarks, Survey, CEUs**

**4:00 PM End**