The primary focus of the LAMAR Institute’s LIDAR workshop will be a demonstration and test implementation of LIDAR mapping on a portion of the North End Plantation on the north end of Ossabaw Island. The workshop is intended for an audience of historic preservationists, archaeologists, and GIS professionals. This document contains a tentative list of workshop participants and program agenda. This workshop is limited to 24 participants on a first-come, first-served basis. Cost of the workshop is $250. Please note that a $50.00 deposit is due by December 31, 2010 to save your space in the workshop. Make checks payable to: “The LAMAR Institute” and mail to:

The LAMAR Institute
P.O. Box 2992
Savannah, GA 31402

Email Dan Elliott at dantelliott@gmail.com, if you have any question.

Tentative Agenda:

Workshop Instructors:

Matt Luke
Roy Stine
Jason Brown
Daniel Elliott

Coordinator: Daniel Battle
Chef: Rita Elliott

Day 1—Arrive on Island, Lunch
Host and Participant Introduction
Introduction to LIDAR
Theory of LIDAR

LIDAR and Archaeology

Aerial Applications of LIDAR for Archaeology

Ground Based Applications of LIDAR for Archaeology

Case Studies—Camp Lawton Prison, Georgia

Case Studies—Effigy Mound National Monument, Iowa

Case Studies—Coosawhatchee, South Carolina

Dinner

Day 2—Terrestrial Work Flow Exercise—North End Plantation Tabby Buildings

Breakfast

Brief Background History of North End Plantation

LIDAR Equipment Review and Setup. Hands-on activity to familiarize participants with LIDAR equipment.

Collect LIDAR data. Hands-on activity to familiarize participants with LIDAR data collection process.

Lunch

Post-Processing of LIDAR data. Return indoors to view pre-prepared results. Generation of a Lidar map of a portion of the North End Plantation site. Hands-on opportunity for participants to work with LIDAR post-processing software to manipulate datasets.

Vendor Presentation. Review of available LIDAR equipment and software

[As time permits]—Additional LIDAR data collection on nearby aboriginal mound site.

Dinner

Day 3—Breakfast

Discussion of CRM applications of LIDAR. Advanced education of archaeologists and historic preservationists in the Southeastern U.S.

Merging aerial and land-based LIDAR datasets. Contribution to a broader coastal Lidar mapping (Coastal Georgia Elevation Project) effort.
Establish baseline application of Lidar for cultural resources on Ossabaw Island. Summary of Ossabaw Island LIDAR exercise. Generation of a LIDAR map of a portion of the North End Plantation site

Closing Remarks

Depart Island (Noon)

General Logistics:

The Ossabaw Island setting is relatively primitive and Spartan. Temperatures in late February can be harsh, or they can be quite mild. The island has no stores or restaurants. It does have wireless internet. Housing for most participants will be “bunkhouse style” in the main “clubhouse”. Attendees may want to bring a warm sleeping bag as a supplement. And remember to dress warmly. More details will be provided as the event draws nearer.

Tentative Participants

(* indicates deposit received; ** indicates paid in full):

Matt Luke, Georgia Southern University, graduate student*
Roy Stine, geographer, University of North Carolina, Greensboro*
Linda Stine, archaeologist, University of North Carolina, Greensboro*
Dr. David C. Crass, Georgia Department of Natural Resources (GDNR)*
Dr. Brian Tucker, Georgia Department of Natural Resources (GDNR)*
Daniel Elliott, LAMAR Institute, President, archaeologist*
Rita Folse Elliott, LAMAR Institute, Education Outreach Coordinator*
Don Thieme, Valdosta State University, instructor*
Barbara Orsolits, Georgia State University, historic preservation graduate student*
Scot Keith, New South Associates, archaeologist**
Thomas Gensheimer, architectural historian, Savannah College of Art and Design*
David G. Anderson, Chatham County GIS manager*
Jason S. Brown, Northern Virginia Community College
Dr. Sue M. Moore, Georgia Southern University
Daniel Battle, LAMAR Institute, Research Associate
Joel Jones, LAMAR Institute, archaeologist
David Morgan, NPS Southeast Center, Tallahassee
Jason Lee, SAGIS, Metropolitan Planning Commission
Terry Jackson, Georgia Department of Community Affairs
Lou Bush, Intelisum software representative
Steven Hammack, Warner Robbins Air Force Base, archaeologist
Adrienne Birge, SCAD historic preservation graduate student
Noel Perkins, SAGIS, Savannah and Chatham County, Georgia
Carl Steen, Diachronic Research Foundation
Melanie Riley, GIS Specialist, University of Iowa, Office of State Archaeologist
Debra Mack, independent cultural anthropologist
P.T. Ashlock, Jr., archaeology graduate student
Dr. Nicholas Honerkamp, University of Tennessee at Chattanooga
Elizabeth DuBose, Ossabaw Island Foundation, Director
Dr. Paul Pressly, Ossabaw Island Foundation
Jim Bitler, Ossabaw Island Foundation

Internet Resources on LIDAR and other relevant topics:
LIDAR Remote Sensing for Coastal Management:
http://www.csc.noaa.gov/crs/rs_apps/sensors/lidar.htm
Coastal Georgia LIDAR Standards:
www.crc.ga.gov/gis/cgep/CGEP%20LiDAR%20Standards.doc
Center for LIDAR Information Coordination and Knowledge
https://lidarbb.cr.usgs.gov/
Pointools LIDAR Plug-in for Google SketchUp
http://pointools.wordpress.com/2010/11/30/pointools-unveils-plug-in-for-google-sketchup/

WE LOOK FORWARD TO SEEING ALL OF YOU ON OSSABAW!