

NERCOFE - Optional Workshop #1
Tuesday, March 14, 2017

To be held in the Barbara Wheatland GIS Lab, 235/245 Nutting Hall

****Limited to 24 attendees****

1:00-3:30pm LiDAR Analysis and Feature Extraction with Global Mapper
Offered by Sam Knight & Patrick Cunningham of Blue Marble Geographics

Description: As LiDAR data permeates the mainstream, its use and utility is becoming much more widespread and diverse. As a spatial commodity, LiDAR is the raw material from which a wide variety of 3D datasets are generated. Using a series of customizable algorithms applied to the geometric structure and other attributes of the point cloud, buildings, vegetation, utility cables, and other features can be effectively identified, classified, and ultimately extracted into vector models of the features they represent. Subsequently ground points can be isolated and gridded to form an accurate terrain model as the basis for precise volumetric calculation, terrain analysis, and change detection. In this workshop, we explore the workflow whereby features are identified and extracted. We walk through the procedures for point cloud filtering and noise removal; identification and automatic reclassification of ground points; 3D building model creation; height calculation of forest canopy and individual trees, and delineation of above-ground utility cables. We will also demonstrate the workflow for manually digitizing identifiable objects in a 3D environment.

Cost: \$35 per person

2.5 category 1 CFE credits – accepted by Maine and NH Boards of Licensure
CLP credits: half-day recertification credit

Workshop Limited to 24 Participants – Pre-Registration is Required
\$35.00 participation fee

Name: _____

Company: _____

Address: _____

Phone: _____ **Email:** _____

Please email the registration form to Cindy (cpaschal@maine.edu) and wait for confirmation that there is space in the workshop before sending the \$35 registration fee. Seating is limited for this optional workshop, so the seats will go to the first 24 registrations received.

Make check payable to NERCOFE, and mail to Cindy Paschal, University of Maine, 201 Nutting Hall, Orono, ME 04469

NERCOFE - Optional Workshop #2
Tuesday, March 14, 2017

To be held in 254 Nutting Hall

****Limited to 16 attendees****

1:00-3:30pm Avenza Maps for Forestry Professionals
Offered by Tony Guay, University of Maine

Description: Avenza Maps is an easy to use geospatial pdf viewer for GPS-enabled tablets and smartphones. This workshop will provide a hands-on introduction to Avenza Maps. You will learn how to create geospatial PDFs in a GIS, import them into Avenza Maps on your GPS-enabled smart device, and use them in the field for navigation and simple geospatial data collection.

Cost: \$35 per person

2.5 category 1 CFE credits – accepted by Maine and NH Boards of Licensure
CLP credits: half-day recertification credit

Workshop Limited to 16 Participants – Pre-Registration is Required
\$35.00 participation fee

Name: _____

Company: _____

Address: _____

Phone: _____ **Email:** _____

Please email the registration form to Cindy (cpaschal@maine.edu) and wait for confirmation that there is space in the workshop before sending the \$35 registration fee. Seating is limited for this optional workshop, so the seats will go to the first 16 registrations received.

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