

TNGIC

## Pre-conference Training Information



### Experience GIS in Tennessee (1 day):

**Primary Instructor(s):** TNGIC

**Cost:** \$50

**Date:** Tuesday, April 22, 2014 9am – 5pm

**Location:** Memphis Hilton

**Course Description: (beginner/intermediate level course)**

*Experience GIS in Tennessee* is an affordable 1-day training taught by local instructors from various agencies in Tennessee that have extensive experience using Tennessee spatial data. The curriculum was developed for the beginner/intermediate GIS user. Attendees will perform hands-on exercises to demonstrate intermediate level geo-processing, spatial analysis and layout creation/design. The 1-day agenda includes topics such as:

Software overview

Geodatabase fundamentals

Where to Start – Base Layers

Spatial Transformations

Spatial Data Processing

Map Creation

Tips and Tricks

Computers will be provided. Each student will be provided a take-home workbook.

### Cartographic Design Fundamentals (1 day):

**Primary Instructor(s):** Kurt Snider and Jason Duke, U.S. Fish and Wildlife Service

**Cost:** \$50

**Date:** Tuesday, April 22, 2014 9am – 5pm

**Location:** Memphis Hilton

**Course Description: (beginner/intermediate level course)**

Learn the fundamentals of cartographic design from the academic side as well as real world issues and challenges. Concepts such as balance, figure/ground relationships, managing cartographic elements, balancing empty spaces, color and text management will be covered in this one day course. Hands-on exercises will be presented with ArcGIS 10.1 software.

Computers will be provided. Each student will be provided a take-home workbook.

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## Pre-conference Training Information



### Introduction to LiDAR (1/2 day):

**Primary Instructor(s):** Nancy Graham, GeoCue Corporation

**Cost:** \$25

**Date:** Tuesday, April 22, 2014 8:30am – 11:30am

**Location:** Memphis Hilton

**Course Description: (beginner level course)**

A 1/2 day hands-on workshop that is designed to familiarize users with the benefits and uses of the LIDAR point cloud with respect to GIS. Topics of discussion to include LIDAR fundamentals, common LIDAR uses, visualization of the LIDAR point cloud in 2D and 3D environment, and feature extraction. We will then complete the workshop with demonstrations and creation of derivative surface products such as digital elevation models (DEM), contours, and slope. Throughout the workshop there will be hands-on exercises using LP360 for ArcGIS™ software to highlight the topics of discussions.

Bring your own laptop. Software, data, and exercises will be provided.

### Advanced LiDAR Uses (1/2 day):

**Primary Instructor(s):** Nancy Graham, GeoCue Corporation

**Cost:** \$25

**Date:** Tuesday, April 22, 2014 12:30pm – 3:30pm

**Location:** Memphis Hilton

**Course Description: (intermediate / advanced level course)**

A 1/2 day hands-on workshop that is focused on more advanced techniques for extracting value from the LIDAR point cloud. Topics of discussion include hydro breakline creation and enforcement, manual and automated classification, QC tools, and volumetric analysis. Throughout the workshop there will be hands-on exercises using LP360 for ArcGIS™ software to highlight the topics of discussions.

Bring your own laptop. Software, data, and exercises will be provided.

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## **Pre-conference Training Information**



### **The GISCI Certification Process – Completing the Application (1/2 day):**

**Primary Instructor(s):** Kim McDonough, Tennessee Department of Transportation

**Cost:** \$25

**Date:** Tuesday, April 22, 2014 12:30pm – 3:30pm

**Location:** Memphis Hilton

**Course Description:** (intermediate / advanced level course)

This workshop will cover the actual step by step process for filling out for filling out the GISP application. The instructor will attempt explain the different nuances of the application as well as deal with specific questions and issues that participants may have. Participants should bring a blank or partially completed GISP Application as well as all documentation they have compiled to support their application.

### **Training Class Registration:**

Registration for all training classes is only online through the TNGIC Conference Registrationon. Add a training class to your Conference registration now to reserve your seat! Classes are limited to the first 15 students!!

### **Training Class Cancellation Policy:**

If you plan to register for a training class, your seat must be reserved and paid in full by **April 16, 2014** in order to secure your seat. Spaces are limited for each class and are available on a first come first serve basis.

A full refund will be available for attendee cancellations made prior to **April 16, 2014** with a written notification sent to Suzanne White (training coordinator): [Suzanne.White@tn.gov](mailto:Suzanne.White@tn.gov).

All classes must meet the minimum student number by **April 16, 2014** in order to avoid cancellation. If a training class is cancelled by TNGIC, a full refund will be given.

### **Questions:**

Contact Suzanne White @ 615-253-4799 or [Suzanne.White@tn.gov](mailto:Suzanne.White@tn.gov)