



**East Tennessee Regional TNGIC Conference
October 4, 2017
Chester Frost Park Pavilion**

- 7:30 – 8:30 *Vendor Set-up*
- 8:00 – 9:00 *Registration*
Map Contest Check-in
Morning Refreshments
Exhibitors Area Opens
- 9:00 – 10:15 *Welcome – Kristen Johnsey*
Keynote Speaker



***Sam Hall, Chattanooga history enthusiasts and creator of the website
DeepZoomChattanooga.com***

Sam grew up on Signal Mountain and currently lives in Hixson. In 2014, he created the website DeepZoomChattanooga.com. The site features historical images and maps from the Chattanooga area in a unique and interactive way. He is a graduate of University of Tennessee - Knoxville where he earned a Bachelor of Science in Communications. His rather broad work background includes technology consultation, website development, radio, and marketing, and works with EPB Fiber Optics as a Business Account Manager. Sam has also been increasingly involved in advocating digitalization of newspapers and led efforts to digitize the Walker County Messenger papers from microfilm. He is now working on doing the same for historic Chattanooga newspapers.

- 10:15 – 10:30 *Break*
- 10:30 – 11:00 ***The State of Tennessee's Public Data***
Kevin Williams, GIS Analyst STS-GIS Services

The State of Tennessee STS-GIS Services group hosts an array of geospatial data, services, and information to the public via the TNMap Data website. Additionally, the State's Elevation Project is shared in coordination with TNGIC. This presentation will be a demonstration on each of the downloads and connections provided by STS-GIS Services. Each product's access and usage will be outlined and demonstrated. Of significant note is the new LiDAR derived countywide 2ft contours, which will be highlighted to show how to access the data, product information, best practices, and possible use case scenarios. The purpose is to demonstrate access and showcase the wealth of information that is available to the GIS community and the citizens of the state of Tennessee. Location of TNMap Data Page: <http://tn.gov/finance/topic/gis-data-topic>

11:00 – 12:00 **Jim Derry, Dangerous Drug Task Force**
The Tennessee Drug Map

This discussion will focus on the need, development and use of GIS technology in the identification, analysis, and investigation of drug crime in Tennessee. Topics will include the purpose and goals of the Tennessee Drug Map, its intended users and uses, and how we develop and maintain the map. We will also highlight our partnerships with others, external and internal resources used in the map, and challenges we have faced along the way in this project. We will wrap up the discussion with our vision for the future and how we hope to attain it.

12:00 – 1:00 Lunch

1:00 – 1:30 **Why you need a Portal**
Craig Robinson, Latitude Geographics

Web GIS is becoming a significant new pattern for organizations to distribute access to spatial business information and business systems. This means that there are often many hundreds of individuals across the enterprise, and outside the enterprise, that require access to applications. The Web GIS pattern of ubiquitous access to applications is the same pattern we are now seeing through most common information systems. In this presentation, we will explore the benefits of a portal approach to your GIS deployment.

1:30 – 2:00 **Developing GIS Web Applications for Landscape Conservation**
Charlie Mix, GIS Manager UTC IGTLab

Many conservation organizations lack the resources to easily access and utilize GIS data and tools that could positively impact their ability to quantify projects and make data driven decisions when prioritizing land for conservation. The University of Tennessee at Chattanooga's IGTLab was tasked by the Land Trust for Tennessee and the Open Space Institute to create a web application for conservation planning for use by conservation groups in the Chattanooga region. The core of the application is a tool that allows the creation of dynamic weighted raster suitability models composed of climate resiliency, biodiversity, agriculture & water quality sub models along with several other complimentary feature layers. This presentation will briefly cover how the input models were created, how the application was developed using ESRI's GeoPlanner template and Web App Builder, a live demo of the application, and how organizations are using the application.

2:00 – 2:30 **Introduction to PDAL**
Randy Hale, North River Geographic Systems

PDAL is a library for manipulating point cloud data. It's very similar to GDAL which is used in a lot of open source software. It also provides a suite of command line applications that users can use to process, filter, and query point cloud data. I'll do a walk through using TN's LIDAR data downloaded from the TNGIS site.

2:30 – 2:45 Break

2:45 – 3:45 **ArcGIS Enterprise**
Mike Sweeney, ESRI

ArcGIS Enterprise is the next evolution of the ArcGIS for Server product line. ArcGIS Enterprise includes all of the components that you're familiar with like Portal for ArcGIS, ArcGIS Server, and more. Come to this session to get an introduction to ArcGIS Enterprise: what the rebranding means, the base deployment, why and when it makes sense to deploy and additional capabilities available through new server roles.

3:45 – 4:00 Door Prizes

4:00 – 5:00 Vendor Breakdown