THRIVE 2055
REACHING BEYOND TODAY

THE UNIVERSITY OF TENNESSEE CHATTANOOGA

THRIVE 2055 SYMPOSIUM

UTC INTERDISCIPLINARY GEOSPATIAL TECHNOLOGY LAB (IGTLAB) OPEN HOUSE

WEDNESDAY, FEBRUARY 24, 2016

UTC IGTLAB & AUDITORIUM

UTC SimCenter
701 East Martin Luther King Blvd.
Chattanooga, TN 37403

Agenda

9:00 a.m.	Envision Tomorrow Training Sign-in (Pre-registered Participants Only)
9:15 a.m.	Envision Tomorrow Prototype Builder for Community Development - IGT Lab Classroom *Explore a Return on Investment (ROI) using an example development in downtown Chattanooga. Discuss market economics, urban design and placemaking, the municipal role in development, public subsidies, infrastructure costs, etc.as we explore the prototype builder. Facilitated by Alex Steinberger of Fregonese and Associates.* ***FULL***
	Thrive 2055: Turning our Regional Vision into Action - SimCenter Auditorium *With the three-year planning initiative complete and regional priorities identified, Thrive 2055 is initiating action toward the 40-year vision of Educated People with Good Jobs Living in a Great Place. Thrive 2055 Communications and Outreach Manager Ruth Thompson will show where the initiative has been and update the audience on exciting new projects that are helping communities in the tri state, 16-county region leverage their unique assets toward a prosperous future.*
10:45 a.m.	Break/Networking – IGTLab Atrium
11:00 a.m.	Training: Envision Tomorrow Scenario Builder for Regional Growth – IGTLab Classroom *Explore a pre-populated regional scenario and learn how to integrate it with the data resources available. Discuss the types of questions the tool can help us answer about the implications of economic growth – employment and education resources, jobs housing balance, housing, traffic congestion, freight movement, natural resource development and preservation.* ***FULL***
	StoryMaps & Collector Apps: Putting Innovative Technologies to Work for our Communities, Rivers, & Resources – SimCenter Auditorium *Andrew Mindermann, Research Associate with the IGTLab has been using ESRI's Storymaps and mobile mapping tools to collect data and create user friendly applications. These tools make it easy to crowdsource information and tell a compelling story like the Tennesssee's water trail system. Learn how he is using these resources and explore how these tools might be used to tell your organizational story.*
11:45 a.m. – 1:00 p.m. LUNCH BREAK	Map and App Gallery: Sneak Peak – SimCenter Atrium *Get an early hands on demo of data, visualizations, and mapping applications developed for the THRIVE 2055 region. Explore your region with UTC IGTLab staff and students as your guide.*
12 – 1 PM	Lunch on your own – See map
1:00 p.m.	Sign-in and Welcome for Afternoon Session

1:15 p.m.	Presentation: Envision Tomorrow - SimCenter Auditorium *Alex Steinberger from Fregonese and Associates will introduce the audience to Envision Tomorrow, a powerful software tool that can be used to model development feasibility on a site-by-site basis as well as create and evaluate multiple land use scenarios, test and refine transportation plans, produce small-area concept plans, and model some of the complex issues that will be facing our region.*
2:15 p.m.	Break/Networking
2:30 p.m.	Presentation: The UTC Thrive 2055 GIS Database – A Tool for the Region *The UTC GIS Department houses a vast database and collection of mapping tools that are available to help communities and their associate organizations, businesses and institutions in preparing for future growth and development. Andy Carroll and Charles Mix will introduce regional stakeholders to the assets that are available.*
3:15– 6:00 p.m	**UTC IGTLab Open House – Explore the Possibilities!**
	Geek out with the staff and students at the UTC IGTLab as they show off the amazing things that their mapping tools can do for our communities. Visit the Tennessee map room, see the first print of the Thrive 2055 Natural Treasures map and play with digital tools that can illustrate and illuminate our vision for the future.

The Presenters:

Alex Steinberger, Project Manager, Fregonese and Associates



Alex is an urban planner with a strong foundation in economics and geographic information systems (GIS). His experience in real estate, website development and transportation planning allows him to approach projects with an eye for creative, effective solutions. Alex uses these skills to fulfill a broad range of project needs – from urban design to economic analysis. Alex's work at Fregonese Associates focuses on regional economic analysis, housing, and GIS. He has experience working at a range of scales, from site-specific redevelopment projects to regional visioning efforts. Past projects include scenario modeling for Wasatch Choice for 2040 as well as development of the Fiscal Impact Tool (FIT) in conjunction Dr. Chris Nelson at the University of Utah's Metropolitan Research Center.

Andy Carroll, GIS Manager
UTC Interdisciplinary Geospatial Technology Lab



Andy serves as GIS Manager and Adjunct Professor for the IGTLab at the University of Tennessee at Chattanooga. Mr. Carroll's professional experiences have focused on the development of geospatial decision support tools and analyses for regional planning, environmental management, and resource conservation design. Mr. Carroll serves as principal investigator for multiple applied research projects. He manages and directs teams of students, faculty, and community partners on these projects in a newly designated interdisciplinary geospatial technology lab located in the UTC SimCenter. Mr. Carroll's recent projects include modeling and application design work for regional planning organizations in the Chattanooga, TN area, the Tennessee Valley Authority, the Open Space Institute, International Paper, and the Dogwood Alliance. His recent research and entrepreneurial projects include the integration of unmanned aerial vehicles into geospatial data acquisition workflows and resource management systems.

Charlie Mix, GIS Analyst
UTC Interdisciplinary Geospatial Technology Lab



Charlie Mix serves as GIS Analyst for the IGTLab at UTC. After graduating with a BS in Geography from Jacksonville State University, he has applied his knowledge and skills to natural and cultural resource management. He has worked with the National Park Service and local land trusts and watershed conservancies. His primary responsibilities at UTC include data collection, processing, and analysis and cartography of geospatial data for Thrive 2055's regional resource inventory. He also supports UTC faculty, students and area nonprofit conservation groups on a variety of GIS projects.

Ruth Thompson, Communications and Outreach Manager
Thrive 2055



Ruthie Thompson's mission is to share a vision of educated people with good jobs living in a great place throughout the Chattanooga region and the world. She is responsible for all of the communications, public relations and marketing efforts of the Thrive 2055 initiative, as well as telling the story about the incredible efforts being undertaken by communities throughout the region to take action on that vision. Ruthie graduated from Maryville College in Maryville, TN with a B.A. in Writing. She has a professional background that reflects a diversity of interests and goals, including 15 years as a professional actor in the Southeastern U.S, staff training and operations management for the Hard Rock Café. In her previous role as the events and marketing coordinator for Outdoor Chattanooga, it was her job to build Chattanooga's reputation worldwide as an outdoor town.

Andrew Mindermann, Research Associate
UTC Interdisciplinary Geospatial Technology Lab



Andrew is a recent graduate from UTC with a BS in Environmental Science: Geographic and Cartographic Sciences. He has initiated the integration of GIS into the school's Facilities Planning and Management Department. He has worked with the Transportation Planning Organization for the City of Chattanooga's Pedestrian Action Plan, using GIS to connect gaps in Chattanooga's pedestrian network along with seeking public input to provide accessibility and safety for all users throughout the city. Andrew is currently working on the TVA Water Trails project, developing a multi-state recreational database to create an interactive paddling and water trail guide.