The OKSCAUG Steering Committee
welcomes you to the
26th Annual OKSCAUG Conference

Welcome to the 26th Annual OKSCAUG Conference. One thing is constant: The more things change the more things stay the same. For the first time since 2014 we are at a new location. There are many new changes to the software as we continue the transition to ArcGIS Pro. We also have many new faces within our GIS community. Change can be a time of uncertainty and uneasiness. Yet, throughout all these changes some things remain constant. We have one of the strongest GIS communities in the nation. OKSCAUG as a community is stronger than it has ever been. The large group of 300+ people at this event is a testament to the fact that OKSCAUG is a staple in our GIS professional lives. We come together to learn, network and share in the knowledge of our ever changing profession. Change can also bring growth so as we go throughout the day today let's remember to grow our knowledge, grow our friendships and grow our community network. Together we will be stronger than ever and be able to face whatever challenges lie ahead. Let's use the changes before us to grow and strengthen the foundations that will take us into the future.

Enjoy the conference and we look forward to seeing you at future OKSCAUG events!

Shellie Willoughby
OKSCAUG Chair

Charles Brady, III	**Shellie Willoughby**	**Carrie Landgraf**	**Madeline Dillner**
Joel Foster	**Pamela Jurney**	**Kevin Dyke**	**Judy Franco**
	Sohail Hasanjee	**James Allen**	

Download the 2023 OKSCAUG Conference Guide.

Send us your conference pictures.

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KEYNOTE ADDRESS—TIM NOLAN

8:30 AM

This is Your Moment

We are asked to do more all the time. Sometimes, we may be asked to start something new, take on additional responsibilities or aid in an emergency. What does it feel like to "do more?"

What is our role with the rise of data science, analytics and emergent technology? Can we build a system that runs on the talent we already have in the room? Do we have the capacity?

Let's go on a journey to see what is and what could be. You know the best way to get to the finish. Let's find purpose and the autonomy as professionals to do great work with the talent we have.

About Tim

Tim has more than 30 years of experience as a leader, speaker, and Lean and Agile practitioner. As a Technologist with executive and hands-on experience in Information Technology (IT), Records Management, and GIS for local government/municipal technology initiatives, Tim has created award-winning government IT experiences in software design and development, and public-facing applications.

Tim is passionate about collaboration and visual management and he thinks Records Management is cooler than you think. As a Senior IT Manager in Texas, Tim led county wide launches of GIS, Agile, and Kanban. His proven government IT leadership includes mentorship, consensus building, team-building, and project management skills.

He is a Certified GIS Professional (GISP) and a Certified Government Chief Information Officer (CGCIO) and he serves in leadership roles for numerous professional organizations including URISA's Board of Directors (2021-2024).

Tim has a Geography degree from the University of North Texas and was part of the first cohort to complete the Lean Agile Visual Management accreditation from Modus Institute.

Texas is home for Tim. He enjoys sharing the success stories of his teams in collaborative and professional management frameworks. GIS was his first love, and Lean Agile Visual Management (#LAVM) is his new love.

MONDAY WORKSHOPS

Morning — 8:00 AM - 12:00 PM — 4 hr GISP Credit

- Transitioning to ArcGIS Pro (Room A)

- Introduction to ArcGIS Drone2Map (Room B)

- Introduction to SQL for Enterprise Databases (Room C)

- All That and a Bag of Chips! Invisible skills that get you noticed (Room K)

- Airborne Lidar: From project plan through final delivery (Room E)

- Field and Office Techniques for Seamlessly Integrating GPS Data with GIS (Room D)

Afternoon — 1:00 PM - 5:00 PM — 4 hr GISP Credit

- What's New in ArcGIS Pro 3.0 & Beyond (Room A)

- The All-in-one App for Fieldwork ArcGIS Field Maps (Room B)

- Advanced SQL for Enterprise Databases (Room C)

- Terrestrial LiDAR Scanning for Indoor Application (Room D)

- All That and a Bag of Chips! Invisible skills that get you noticed (Room K)

WEDNESDAY WORKSHOP

All day — 8:00 AM - 5:00pm — 8 hr GISP Credit

Introduction to Experience Builder (Virtual)

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Get Started with ArcGIS:

Exploring ArcGIS
Getting Started with ArcGIS Online
Getting Started with ArcGIS Pro
Getting Started with GIS

Explore a focused topic:

Adding Location-Based Data to a Map
Automating Workflows Using Python
Creating Interactive Maps in Spreadsheets and Presentations
Creating Web Apps Using ArcGIS Experience Builder

Discovering Patterns Using ArcGIS Insights
Exploring ArcGIS Field Maps
Exploring ArcGIS Living Atlas of the World
Getting Started with Arcade
Getting Started with ArcGIS Notebooks
Getting Started with ArcGIS Survey123
Getting Started with ArcGIS Business Analyst
Getting Started with ModelBuilder

Monday, September 25:
1:00 pm - 4:00 pm
&
Tuesday, September 26:
9:30 am to 3:00 pm

Improving Newborn Health Using ArcGIS Online
Integrating CAD and BIM Data with ArcGIS
Managing Parcels and Land Records Using the Parcel Fabric
Mapping Clusters with ArcGIS Pro
Monitoring Activity Using ArcGIS Dashboards
Performing Image Classification Using Deep Learning
Processing Imagery with Raster Functions
Solving Transportation Problems Using ArcGIS Network Analyst
Spatial Modeling and Analysis Using ArcGIS Spatial Analyst
Telling Stories with ArcGIS StoryMaps

User Presentations

Migrating from WebApp Builder to Experience Builder: Our Experience

Daniela Spade and Candace Perry
  OU Center for Spatial Analysis

In February of 2023, Esri announced the retirement of ArcGIS Web AppBuilder, with the recommendation of migrating WebApps to Experience Builder. The developer team at the Center for Spatial Analysis shares their experience migrating our Apps from WebApp Builder to Experience Builder in anticipation of Web AppBuilder's eventual retirement. The team shares their insights, challenges faced, and tips & tricks gained while navigating the customizable interface that Experience Builder provides.

Mission Impossible?

Timothy Conner, Mike Morrison, Larry Stein
  Oklahoma County Assessor's Office

Using Geolocation services such as Open Streetmaps Premium the Assessor's Office is able to identify new businesses at a rapid pace. Something that used to take hours upon hours has now been reduced to min with the help of Geolocators. One key use for this program has also been identifying all medical marijuana in Oklahoma County. This provides our field staff with vital information when going out into the field and we are also able to pick up additional businesses each year. Is this really an impossible task? Come see for yourself!

User Presentations

Beyond Metadata: Data Governance and GIS at Williams

Carrie Landgraf and Brianna Walcott
  Williams

Knowing about your data and having consistency across many different software applications is key to success in any organization where interoperability and resource constraints abound. At Williams, GIS is a critical application for disseminating standardized information across the company. Our GIS and Knowledge Management teams partnering together are key to the success of our overall data governance program.

GIS Project Planning with ODOT and Mayes County Trails Alliance

Janelle Ivey
  Oklahoma Department of Transportation

ODOT and the Mayes County Trails Alliance have been coordinating planning efforts to efficiently mitigate the future trails system for the Mayes County communities. GIS Data and Story maps have been very effective to show the need for collaboration on this project.

User Presentations

Advantages to High Resolution Aerial Imagery

Tim Bohn
  Surdex Corporation

We are surrounded by higher resolution imagery more and more every day. As an example, the state of Oklahoma is being flown for NAIP at 30cm (1 foot) gsd in 2023 whereas in years past it was 60cm or even 1m. With this data comes improved horizontal accuracy and better clarity on features for derivative products. While NAIP might not meet all your needs, it can serve as a great baselayer and serve as a step towards a custom program. Come learn more about free access to this public domain data and how you can participate in the future as a buy-up partner and get data customized to your specifications.

An Introduction to Reality Mapping

Brig Bowles
  Esri

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Technical Presentation

Reality mapping is the process of creating accurate digital representations of the physical world using images, lidar, or both. Learn how Esri's reality mapping capabilities enable you to generate photo-realistic 3D models, point clouds, high-resolution Orthomosaics, and elevation models using drone, aerial, and satellite imagery.

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User Presentations

MARPLOT: Using GIS for Emergency Operations in an offline environment

Matt Wormus
   Oklahoma Department of Environmental Quality

Oklahomans are used to the vast extremes of weather and emergency situations. But what happens when you need to respond to an event geospatially, but there is no internet? MARPLOT is a tool utilized by those responding first to bridge this gap after an event. Learn how MARPLOT is used to respond to extreme events and day to day operations.

Lines & Polygons, A Love Story

Joel Foster
   Canadian County Assessor's Office

Parcel Fabric in ArcMap used a model in which each parcel polygon was made up of and related to its own set of lines. With Parcel Fabric in ArcGIS Pro, this is no longer the case. The Canadian County Assessor's Office has a need to maintain the relationship between polygons and lines that create them but this change in the Parcel Fabric model is a challenge to maintaining that relationship because lines can now be shared among parcels creating a many-to-many relationship. Many-to-many relationships can be tricky to implement. This presentation will cover the in-progress solution developed for this problem which includes details on working with many-to-many relationship classes and working with the "shape" Python object in ESRI feature classes that could have uses outside parcel data.

User Presentations

Address-Based Sales Tax Location in Oklahoma: CSA's Reflections on 20 Years of State Partnership and Data

Jim Anderson, GISP, and Leah Nash
   OU Center for Spatial Analysis

In 2023, the OU Center for Spatial Analysis (CSA) celebrates 20 years in partnership with the Oklahoma Tax Commission (OTC) providing for technology and products related to Oklahoma's status as a Streamlined Sales and Use Tax Agreement (SSUTA) Full-Member State. In this presentation we share the highlights of our work with OTC as a historical narrative and quantitative interpretation with a series of data visualizations/maps. The story draws on personal CSA staff experiences, longitudinal tax rate information, growth and decline in statewide delivery addressing, and an heirloom table reflecting the several million CSA Tax Rate Locator Website searches logged by the Public. Please join us in recounting the history, impact and future for this partnership in public service.

### It's Your Move Part 2: How did you do that?
ArcGIS Pro 3

Diane Johnson
   Grand Gateway Economic Development Association

Presidential Policy Directive 8's National Preparedness Goal of 2011 to prepare for incidents addresses the core capabilities of prevention, protection, mitigation, response,and recovery. While digitizing a map of Chincoteague Island in the Chesapeake Bay as a gift for a friend, I discovered washover of the barrier island of Assateague. A DEM was added to determine elevation and vulnerability as well as asking the question, how will coastal populations adapt to the effects of climate change.
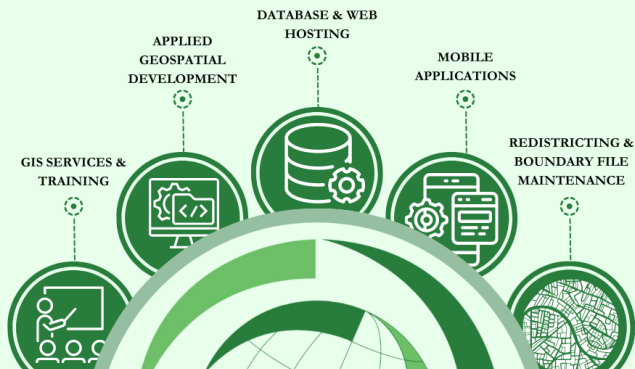
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Our diversified team offers end-to-end GIS services and solutions from assessment and strategic planning to data remediation and long-term maintenance of GIS enterprise datasets.

Meet The Team

Project Managers & GIS Technologists

Fire, Police, EMS, & 9-1-1 Professionals

GIS Support Service Professionals

Public Safety GIS Subject Matter Experts

DATAMARK VEP

Our SaaS solution maintains metrics to support NG9-1-1 ESInet services and quality control requirements for PSAP systems (CAD, CAD Mapping, AVL, and other business systems), which is critical now that NG9-1-1 requires only one source of location data used in call routing and dispatch workflows

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User Presentations

Best Practices for Managing Address Data in GIS

Annie Cahill
  DATAMARK

Addressing is used across the government enterprise to support a number of applications and business needs. In this session we will discuss common ways of managing address points using GIS including tips and tricks for placement methodologies and attribute management. We will also explore best practices for public safety, and how to leverage the State of OK NG9-1-1 GIS Toolkit for address management.

ArcGIS Field Maps: Automating and Integrating Mobile Workflows

Pam Kersh
  Esri

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Technical Presentation

ArcGIS Field Maps supports integration with automation technology with webhooks and Python. Join this session to learn how to leverage the power of automation to streamline time-consuming and repetitive tasks in your field workflows. Workflow automation increases productivity and frees up your workforce to stay focused on the most important work.

User Presentations

Fundamental GIS Editing Techniques

Charles Brady III
  City of Ardmore

Regardless of the GIS software you use there are editing techniques that, when utilized correctly and in conjunction with one another, can greatly increase the accuracy of your data and the efficiency by which you edit it. We will briefly explore some of these techniques that span beyond any specific software or professional application of GIS. Whether you are reading and drawing from legal descriptions, updating your PSAP's ESZ polygons to topologically match your street centerline network, breaking down a section correctly, or drawing in accurate subdivisions in from orthophotos with no ground control there are professional techniques that you can universally integrate into your everyday workflow to make your time spent more productive and accurate.

OKIE811 and GIS: Oklahoma's process to help keep underground facilities and the public safe.

Tyler Dunlap and Zachery Carnahan
  OKIE811

You have probably seen the different color flags and paint on the ground to mark where underground facilities are. But how do they get there? During this presentation we will talk about the 811 processes for the State of Oklahoma, show how locate request are created, and demonstrate the OKIE811 Service Area Editor tool that owners and operators of underground facilities use to manage the areas where they need to be notified of excavation. We are a not-for-profit corporation that focuses on safety, damage prevention and quality of service. Just remember Click Before You Dig, It's The Law!

User Presentations

USGS 3D Hydrography Program (3DHP): A New Model for the Nation's Hydrography

Claire DeVaughan
U.S. Geological Survey

The U.S. Geological Survey (USGS) National Geospatial Program (NGP) provides foundational digital geospatial data representing the topography, natural landscape, and manmade environment of the U.S. and is in the process of establishing the 3D Hydrography Program (3DHP) to modernize the mapping of the Nation's inland waters. High-resolution lidar elevation data have been collected across much of the conterminous US through the 3D Elevation Program (3DEP). This data will be used as the source to derive a positionally accurate and detailed stream network. 3DHP is the first systematic remapping of the Nation's hydrography since the original topographic mapping program that was active between 1947 and 1992. By using modern acquisition, validation, and data management techniques, 3DHP will enable analysis and visualization for a broad range of applications. This presentation will provide information on 3DHP, and on partnerships and data acquisition needed to support 3DHP.

An Innovative Approach for Invasive Species Targeting and Control Using Remotely Sensed Data and Techniques Within the Chickasaw Nation Treaty Territory

Marco Micozzi and Justin Baker
Chickasaw Nation and PE - CFMAqua Strategies

Eastern redcedar (ERC), Juniperus virginiana, is increasing in density and range, negatively affecting both agricultural productivity and water recharge of aquifers and surface water bodies. Prescribed fire has proven to be a very effective tool in slowing this growth, but this method is less effective on very sparse or very dense, well-established stands. This project uses an innovative approach to optimize efforts to identify and clear ERC within the Chickasaw Nation (CN) treaty territory and will create a system by which land parcels can be efficiently prioritized for cedar clearing. By applying this methodology, the CN will be able to restore productivity of agricultural ranchland more quickly and economically, while also improving water quality, availability and aquifer recharge conditions. The long-term goal of this project is to provide positive impacts to landowners and water systems and potentially provide a tool that can be applied in other parts of the country.

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User Presentations

Pavement Management for Cities & Counties

Veronica Schindler and Roy Neberek
   Cityworks a Trimble Company

Cities and counties all have to deal with pavement management issues and identifying the optimal mix of projects to meet their agency's performance goals and maximize ROI with a limited amount of budget. Learn how Pavement Express can help manage your streets and sidewalks and how it integrates with Cityworks for work order management thereby enabling your agency to create value within your organization.

An Introduction to ArcGIS AllSource

Brig Bowles
   Esri

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Technical Presentation

ArcGIS AllSource is desktop analysis software that's built for intelligence analysts working in the military, civilian intelligence agencies, law enforcement, and the private sector. Learn about the key features and capabilities of this powerful desktop application such as temporal analysis and visualization with the timeline, link analysis, and other key analysis workflows to help solve challenging problems.

User Presentations

911, what's the address of your emergency

Lance Terry and Michael Coonfield
   Oklahoma 911 Management Authority

Oklahoma passed new legislation that funds Next Generation 911 (NG911) in the State of Oklahoma. For several years we have been building to this point and preparing our GIS data to meet the needs of NG911. This course will bring everyone up to speed on the States timeline and include a snapshot of where we are at and what needs to happen to be successful.

Lost in the Dark: Prodding Your Way Through ArcPy's Mapping Module in 'Pro with Notebooks

David Murray
   OK Dept of Wildlife Conservation

Inspired by a previous OKSCAUG presentation demonstrating the capabilities of Notebooks in ArcGIS Pro using only the standard installed Python environment, this Session follows the Presenter's Path in puzzling out ArcPy's Mapping Module using ArcGIS Pro's Notebooks ...with a Goal of Automatic Publication-ready Atlas Creation. Most suited to those with a Very Basic understanding of Python and little-to-no Developer Experience. Copies of the slides will be available, as well as extra notes from the presenter.

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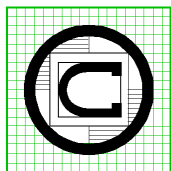
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User Presentations

A GIS Trained office: What matters most (A shameless plug for SCAUG and ESRI training) Warning: a portion of a graphic video from United States Naval History will be featured.

Diane Johnson
  Grand Gateway Economic Development Association

An office staff that understands what GIS is and knows how to access the data in case of an emergency is a well prepared staff, able to divert further disasters. Training is important.

Lacustrine Wetlands: Refining Identification in NWI Through Modern Dataset Mapping and Risk-Stressor Assessment

LeAnna Kilhoffer
  OWRB

Understanding the role and extent of Oklahoma's wetlands is critical to both the management and protection of these vital resources. This project is aimed towards updating and increasing the accuracy of the National Wetlands Inventory (NWI) and its associated public online viewer, the NWI Wetlands Mapper, by using current remote sensing datasets and determination of gain or loss of lacustrine and palustrine wetlands. Key outcomes are the creation of enhanced/current maps of lacustrine wetlands adjacent to gauged reservoirs in Oklahoma including areal determination and Cowardin classification, as well as performing a qualitative risk assessment of lacustrine wetlands identified. These efforts provide the opportunity to further aid lake managers and policy makers by visualizing extent of wetland communities present and the effect of changing lake elevations in relation to maintaining those wetland communities.

User Presentations

Integrating GNSS Data Collection Directly With Your Geodatabase

Ethan Heck
  AllTerra Central

Trimble Terra Office ArcGIS Plug-in creates seamless integration with GIS workflows, making the exchange between the field and office effortless. This presentation will showcase how workflows within the plug-in interact with your geodatabase and why it is a must for increasing productivity.

ArcGIS Enterprise: Considerations for Upgrading to 11.x

Jon Doherty
  Esri

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The ArcGIS Enterprise 11.x releases include significant and exciting changes marking a new generation of ArcGIS Enterprise. Join us at this session to learn about the changes at 11.x, considerations before upgrading to 11.x, and migration tooling to help you along the way.

User Presentations

Operation Atlas - Helping the Future GIS Leaders Learn to Use GIS

Shellie Willoughby
  OK Office of Geographic Information

Andrew Willoughby
  BSA Troop 850

Operation Atlas is the Eagle Scout project of a local Scout in BSA Troop 850. The Scout approached me with the idea of using GIS to help map the Veterans in a local cemetery. This presentation will discuss the project along with the steps a GIS Professional can use to help students gain access to GIS software, teach them the concepts of GIS and encourage them to think outside box.

Data Wrangling with Python

Colin Brooks
  Oklahoma Corporation Commission

Have you ever wanted to take full advantage of Esri's Dashboards and Apps but your data is stuck in Excel and flat files? Not to worry, you can wrangle that data with the help of Python and a few helpful data management libraries. Here I'll present step-by-step how to use Pandas for Python, some database connectors, and a couple of other libraries to import data, manipulate some fields and datatypes, and write the resulting data out for use with GIS. Next, we'll use ArcPy to do some spatial analysis and ArcGIS API for Python to publish data to our Portal. Lastly, we'll look at a few examples of the outputs in a Dashboard to see the results with Esri's fantastic visualizations.

User Presentations

The Hunt for Lead: Utilizing Web-based Maps and Apps to Identify Lead Service Lines in the City of Oklahoma City

Hayden Harrison
   City of Oklahoma City

The Utilities Department within the City of Oklahoma City has developed a program to identify harmful lead service lines across the City. In 2022, GIS staff completed a desktop study to identify possible lead lines in residential and commercial areas. In June of 2023, the City launched a pilot program to pothole 2,125 homes and businesses. The pilot program utilizes the ESRI Lead Service Line solution for Enterprise Portal. This presentation will demonstrate how the Utilities Department uses Field Maps and other web-based mapping applications to track lead lines throughout the pilot program.

Methods on Creating a Tactile Map for the Lawton Public Library

Kristi Shannon
   City of Lawton GIS Division

"All maps lie flat, and all flat maps lie," but some lay a little less flat than others. Tactile maps are maps that can be read by touch, usually for those who are blind or seeing impaired. While these maps take on many formats to provide users with information about their surroundings, they usually have one element in common: raised vectors.

   Tactile maps improve situational awareness for those who are blind or visually impaired by using braille and 3D points, lines, and polygons. Since these maps are intended to be read by touch, the level of detail is less complex. Generalization of symbology, detail, and scale are three of the more challenging components to tactile cartography.

   Although not a novel idea, tactile maps are not common in municipalities in SW Oklahoma. The intent of this presentation is to show how a tactile map was created for the Lawton Public Library and to provide insight on the capability of any organization to provide tactile maps for their community.

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User Presentations

Think Beyond Work Management to Asset Lifecycle Management

Brent Wilson
  Woolpert

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ArcGIS Experience Builder: Working with Style and Layout

Pam Kersh
  Esri

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Technical Presentation

With ArcGIS Experience Builder, you can create the exact web experiences you want with scrolling or full screens, and single or multiple pages. Understand what the style settings do like auto vs custom and how they change depending on the page layout could be challenging sometimes. Come to learn all about using styles and layout widgets to design your web experiences that are optimized on Mobile.

User Presentations

OK-EFRA: An ArcGIS® Web Application to Visualize EHS Flow and Incident Risk on Oklahoma Roadways

Manjunath Kamath, Dr. Diana Rodriguez Coca, Dr. R. Scott Frazier, Timman Nyamagoudar, Felipe Carreno Urquijo

Oklahoma State University

This presentation includes a demo of the OK-EFRA application, an overview of the ongoing research project that supports its development and deployment, and some representative use cases to illustrate the application of this tool in practice. OK-EFRA's purpose is to inform LEPCs, first responders, and other local bodies in Oklahoma counties as to what dangerous materials may be transported on county roads and highways with an assessment of incident risk to serve as input to their emergency preparedness planning activities. The source data was collected by the OSU research team through an online survey of facilities in the state that store extremely hazardous substance (EHS) on site and send and/or receive such EHS materials on a regular basis. The OSU research team developed mathematical models to estimate the EHS flow, EHS incident risk, and risks related to health, fire, and instability/reactivity for Oklahoma roadways.

Small Town GIS

Robyn Murray

I will cover how I built a layer that shows zoning by parcel using disparate data layers, including skills such as clip, merge, data management, and pop-up configuration. Next steps were to work with the Assessor's office to get updated parcel data each month and to automate the above process using Python programming. Another topic will be the creation of a basemap for the City of Coweta, using data from INCOGs aerial imaging as well as raster functions.

User Presentations

The Art of Seeing Underground

Terri Rogers and Bill Moss

   Texarkana Water Utilities

Using aerial imagery with water utilities can be challenging, especially if the utility assets are underground.   With aerial images we are able to identify the above ground assets which extrapolate location of underground assets. This helps us with our legacy data and new data to make sure our GIS is as accurate as possible when it comes to location and asset management.   We use the oblique photography to measure and inspect our water tanks.

The Oklahoma Flood Plan: Using an ArcGIS Online Collaboration to Streamline Project Development and Delivery.

Willard Gustafson

   Freese and Nichols

Have you ever wondered how to seamlessly share data between organizations in real time, or how to enable external teams to build Maps and Applications within your AGOL organization without using up your own Named Users? ArcGIS Online Collaborations are the answer! Join us as we discuss how OWRB, Freese and Nichols, and Meshek leveraged a Partner Collaboration in AGOL to build and configure maps and applications for the Oklahoma Flood Plan directly within OWRBs ArcGIS Online Organization.

Time	Room A	Room B	Room C
7:30 AM - 2:00 PM	**Registration**		
7:30 AM - 8:30 AM	**Exhibitor Visits**		
8:30 AM - 9:30 AM	**Welcome & Keynote**		
9:30 AM - 10:15 AM	**Sendoff & Exhibitor Visits**		
SESSIONS	**Room A**	**Room B**	**Room C**
BLOCK 1 **10:20 AM - 10:50 AM**	Migrating from WebApp Builder to Experience Builder: Our Experience *Daniela Spade & Candace Perry - OU CSA*	Mission Impossible? *Timothy Conner, Mike Morrison, & Larry Stein - Oklahoma County Assessor*	Beyond Metadata: Data Governance and GIS at Williams *Carrie Landgraf & Brianna Walcott - Williams*
10:50 AM - 11:00 AM	*Break*		
BLOCK 2 **11:00 AM - 11:30 AM**	MARPLOT: Using GIS for Emergency Operations in an offline environment *Matt Wormus - OK Dept of Environmental Quality*	Lines & Polygons, A Love Story *Joel Foster - Canadian County Assessor*	Address-Based Sales Tax Location in Oklahoma: CSA's Reflections on 20 Years of State Partnership and Data *Jim Anderson, GISP & Leah Nash - OU CSA*
11:30 AM - 11:40 AM	*Break*		
11:40 AM -12:40 PM	**LUNCH + POSTER COMPETITION + NETWORKING**		
BLOCK 3 **12:40 PM - 1:10 PM**	Fundamental GIS Editing Techniques *Charles Brady III - City of Ardmore*	OKIE811 and GIS: Oklahoma's process to help keep underground facilities and the public safe. *Tyler Dunlap & Zachery Carnahan - OKIE811*	USGS 3D Hydrography Program (3DHP): A New Model for the Nation's Hydrography *Claire DeVaughan - USGS*
1:10 PM - 1:20 PM	*Break*		
BLOCK 4 **1:20 PM - 1:50 PM**	911, what's the address of your emergency *Lance Terry & Michael Coonfield - OK 911 Management Authority*	Lost in the Dark: Prodding Your Way Through ArcPy's Mapping Module in 'Pro with Notebooks *David Murray - OK Dept of Wildlife Conservation*	A GIS Trained office: What matters most *Diane Johnson - GGEDA*
1:50 PM - 2:00 PM	*Break*		
2:00 PM - 2:40 PM	**AFTERNOON BREAK + EXHIBITOR VISITS**		
BLOCK 5 **2:40 PM - 3:10 PM**	Operation Atlas - Helping the Future GIS Leaders Learn to Use GIS *Shellie Willoughby & Andrew Willoughby - OGI & BSA Troop 850*	Data Wrangling with Python *Colin Brooks - OK Corporation Commission*	The Hunt for Lead: Utilizing Webbased Maps and Apps to Identify Lead Service Lines in the City of Oklahoma City *Hayden Harrison - City of Oklahoma City*
3:10 PM - 3:20 PM	*Break*		
BLOCK 6 **3:20 PM – 3:50 PM**	OK-EFRA: An ArcGIS® Web Application to Visualize EHS Flow and Incident Risk on Oklahoma Roadways *Manjunath Kamath , Dr. Diana Rodriguez Coca, Dr. R. Scott Frazier, Timman Nyamagoudar, Felipe Carreno Urquijo - Oklahoma State University*	Small Town GIS *Robyn Murray*	The Art of Seeing Underground *Terri Rogers & Bill Moss - Texarkana Water Utilities*
3:50 PM – 4:00 PM	*Break*		
4:00 PM - 4:30 PM	**CLOSING REMARKS + PRIZES**		

Registration				7:30 AM - 2:00 PM
Exhibitor Visits				7:30 AM - 8:30 AM
Welcome & Keynote				8:30 AM - 9:30 AM
Sendoff & Exhibitor Visits				9:30 AM - 10:15 AM
Room D	**Room E**	**Room K**	**Room J**	**SESSIONS**
GIS Project Planning with ODOT and Mayes County Trails Alliance *Janelle Ivey - ODOT*	Advantages to High Resolution Aerial Imagery *Tim Bohn - Surdex*	An Introduction to Reality Mapping *Brig Bowles - Esri*	Monday, September 25: 1:00 pm - 4:00 pm and Tuesday, September 26: 9:30 am to 3:00 pm	**BLOCK 1** 10:20 AM - 10:50 AM
Break				10:50 AM - 11:00 AM
It's Your Move Part 2: How did you do that? ArcGIS Pro 3 *Diane Johnson - GGEDA*	Best Practices for Managing Address Data in GIS *Annie Cahill - DATAMARK*	ArcGIS Field Maps: Automating and Integrating Mobile Workflows *Pam Kersh - Esri*		**BLOCK 2** 11:00 AM - 11:30 AM
Break				11:30 AM - 11:40 AM
LUNCH + POSTER COMPETITION + NETWORKING				11:40 AM -12:40 PM
An Innovative Approach for Invasive Species Targeting and Control Using Remotely Sensed Data and Techniques Within the Chickasaw Nation Treaty Territory *Marco Micozzi & Justin Baker - The Chickasaw Nation & Aqua Strategies*	Pavement Management for Cities & Counties *Veronica Schindler & Roy Neberek - Cityworks, a Trimble Company*	An Introduction to ArcGIS AllSource *Brig Bowles - Esri*	Esri Hands on Learning Lab (see page 8 for lesson listing)	**BLOCK 3** 12:40 PM - 1:10 PM
Break				1:10 PM - 1:20 PM
Lacustrine Wetlands: Refining Identification in NWI Through Modern Dataset Mapping and Risk-Stressor Assessment *LeAnna Kilhoffer - OWRB*	Integrating GNSS Data Collection Directly With Your Geodatabase *Ethan Heck - AllTerra Central*	ArcGIS Enterprise: Considerations for Upgrading to 11.x *Jon Doherty - Esri*		**BLOCK 4** 1:20 PM - 1:50 PM
Break				1:50 PM - 2:00 PM
AFTERNOON BREAK + EXHIBITOR VISITS				2:00 PM - 2:40 PM
Methods on Creating a Tactile Map for the Lawton Public Library *Kristi Shannon - City of Lawton, GIS Division*	Think Beyond Work Management to Asset Lifecycle Management *Brent Wilson - Woolpert*	ArcGIS Experience Builder: Working with Style and Layout *Pam Kersh - Esri*		**BLOCK 5** 2:40 PM - 3:10 PM
Break				3:10 PM - 3:20 PM
The Oklahoma Flood Plan: Using an ArcGIS Online Collaboration to Streamline Project Development and Delivery. *Willard Gustafson - Freese and Nichols*	Eagleview Overview and New Product Update *Alexandra Stark - EagleView*	ArcGIS Hub: Best Practices for Site Creation and Content Management *Greg Hakman - Esri*		**BLOCK 6** 3:20 PM – 3:50 PM
Break				3:50 PM – 4:00 PM
CLOSING REMARKS + PRIZES				4:00 PM - 4:30 PM

User Presentations

Eagleview Overview and New Product Update

Alexandra Stark
  EagleView

EagleView (formerly Pictometry) is an industry-leading technology company that produces high-resolution geo-referenced aerial imagery. The imagery is captured with patented camera systems attached to fixed-wing aircraft resulting in more detail than satellite imagery and greater coverage than drone imagery. EagleView provides both orthogonal (top-down, 90-degree angle) and oblique (bird's eye, 40–50-degree angle) imagery, providing multiple views of a location, including the ability to rotate 360 degrees around buildings and structures. The imagery is imbued with data and insights, meaning everything visible in the imagery can be analyzed, measured, and used to inform decisions. Data can be delivered on a physical drive or hosted remotely. EagleView is a Gold Esri Partner and EagleView's platform integrates seamlessly with popular programs including Esri ArcGIS, CAMA systems, and E911 systems.

ArcGIS Hub: Best Practices for Site Creation and Content Management

Greg Hakman
  Esri

esri
THE SCIENCE OF WHERE®
Technical Presentation

Organizations around the world are using ArcGIS Hub to engage communities, promote transparency, collaborate across departments, and make critical data open and accessible. Attend this session to get an introduction to ArcGIS Hub and see the innovative, impactful ways it is being used. We will share best practices for site creation and content management, including user roles and privileges, login configurations, managing domains, download workflows, and sharing content.

TAKE FLIGHT
OKLAHOMA PUBLIC SAFETY CONFERENCE

Posters, story maps, and hubs

Oklahoma County

Galen Hanby, Karl Strayer, Chris Bodzioch — Oklahoma County Assessor's Office

This is a 24x36 map of Oklahoma County including commissioner districts, city boundaries, township and range, and other locations of interest, and was created to update the previous county map from 1997 which showed the statewide map numbering system for quarter sections. Technology such as ArcGIS Pro provides a straightforward approach to demonstrate spatial information in a way that was not previously possible. This map is able to display various facets of Oklahoma county as well as providing a template to facilitate future revisions. We utilized unique symbology to represent local places, attractions, and features. We also found updating hydrology and roadways to be a large part of the mapping process. Many of the ponds and streams had to be drawn from aerial imagery. Likewise, the courses of some roadways had to be redrawn or created. Formatting colors, labels, and symbology were substantial parts of this project with numerous revisions until the final edit which you see here.

Posters, story maps, and hubs

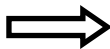Scan the QR code to view all of the entries and vote for your favorite.
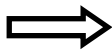
A Walk to the Park...

DeAnna Dear — City of Lawton

Cities are increasingly aware of the importance of parks and greenspaces to their citizens. "A Walk to the Park…" identifies which addresses in the City of Lawton, OK do have pedestrian access, by either a local street or a maintained sidewalk, to a park or greenspace and which addresses have no access to a park by foot. This map highlights areas where additional parks or green spaces are needed or where there is a need for better pedestrian accessibility options.

Posters, story maps, and hubs

Lake Lawtonka Angler Mapping Project

Kristi Shannon — City of Lawton

Located north of Lawton, OK, Lake Lawtonka is a man-made lake owned by the city of Lawton. Its unique history has influenced the people and towns in the region, especially as a recreational resource and as a water source. Periodically, tests and studies are performed to assess the lake, but there have been few endeavors to collect sonar data as a way to show the lake floor and viable fish habitats. Although SCUBA diving can be a useful survey method of fish habitats, the visibility level in Lake Lawtonka is poor, and this method would be time intensive for mapping purposes. Sonar and bathymetric data were collected using a Humminbird998c fish finder and was generated using ReefMaster 2.0.

Posters, story maps, and hubs

RESEARCH DIVISION - GIS PROJECTS SITE

Dat Nguyen — State of Oklahoma

An Experience Builder is using as HUB to hold various of current Commerce Projects.

Operation Atlas - Mapping the Veterans of Summit View Cemetery in Guthrie, OK

Andrew Willoughby - BSA Troop 850

Each Memorial Day the Boy Scouts of Troop 850 place flags on the graves of Veterans to recognize them for their Service. For his Eagle Scout Project Andrew wanted to find a way to map the Veterans at the Cemetery to make sure that Veterans weren't missed during their day of recognition. Using Survey 123 and Experience Builder a survey and web app were built. On October 1 volunteers will meet at Summit View Cemetery to locate, gather information, and photograph the headstones so that Veterans can be recognized at the Cemetery and online. Once the data has been captured a sign will be placed at the Cemetery that will allow visitors access to the web based experience.

Posters, story maps, and hubs
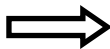
Air Force Plant 3 Monitoring Wells

Janelle Williams — Tulsa International Airport

Subsurface soil boring activities are used for environmental or geotechnical purposes. Geotechnical borings are generally performed to collect soil characteristics for construction. Environmental borings are generally performed to screen soils for possible contaminants. Typically, where soil screening identifies contaminants and groundwater is encountered, a groundwater monitoring well is installed.

5-Year Property Value Trends Across Oklahoma County

Zachary Knepp, Karl Strayer, Chris Bodzoich — Oklahoma County Assessors Office

Oklahoma County Assessor's office is responsible for discovering, listing, appraising, and assessing real and personal property for tax purposes within Oklahoma County. The office gathers and preserves an archive of property data spanning many years. The purpose of this research is to show how residential property value changed over a five-year period (2018 - 2023). Like the rest of the country, Oklahoma County experienced a progressive residential market following covid. The increasing value of residential property sales shows evidence of an upward trajectory of Oklahoma County property value.
Five years of data were pulled between a six-year period 2018 – 2023, excluding 2020 year. The years of data were condensed into a single map by calculating percent change for each property, percent change = ((2023 value – 2018 value) / 2018 value) * 100. Percent changes were categorized into bins, assigned a gradient color that visually represents upward or downward trends, and then mapped.
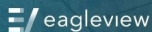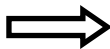
> There are departments that have a real need for accurate aerial imagery and data. It's our responsibility to support that need and show people what can be done.
>
> **- Dan Stell**
> GIS Director, Fauquier County

Posters, story maps, and hubs

Renewing the 55/100ths

Michelle Mount, Shellie Wingert, Roger Stevens, Alexa Beemer, Elishya Cook, Jerry Fowler, Jeff Atchison — City of Owasso

Sales Tax is an essential part of maintaining funding for Oklahoma cities. The City of Owasso educated voters about a sales tax renewal for Transportation Projects this year. City Officials formed a team to create educational materials to share our story. The story walked citizens through how sales tax is used for streets, sidewalks, and trails. The Storymap included the history, upcoming projects, costs, and benefits to the community. Using comparison sliders, we looked at before and after imagery of past street projects. Team members created custom graphics to tell the story. One illustration explained the effects of the sales tax on citizens' finances; For every $100 spent, 55 cents goes to fund transportation projects. The final product resulted from a great team working to educate our community.

Leveraging AGOL to Prepare GIS Students for the Workforce

Daniela Spade — Center for Spatial Analysis

StoryMap presentation on the ways in which CSA's outreach team works with students and professionals to ensure students are prepared for the workforce in

Tim Bohn, CP, PMP

Vice President
Business Development
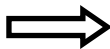
timb@surdex.com
DIRECT 636-368-4456
CELL 314-952-2617
surdex.com

Posters, story maps, and hubs

## Fansteel Metals/FMRI Open House Presentation

Makenna Hartman, Kelsey Bufford, Amy Brittain — Oklahoma Department of Environmental Quality

This Story Map was played during the open house for a proposed Superfund site and was intended to convey historical and current relevant information about the site and its reason for proposal to the National Priorities List. We also wanted to provide more information about the Superfund process, the role DEQ plays in that process, and what that might look like for the community the site was located in. As such, this Story Map contains historical photos of the ore process used at the site, what the site currently does to prevent the spread of contamination from onsite ore waste materials, and maps of the site's location in addition to currently listed Superfund sites in Oklahoma. There is also a simplified diagram of the Superfund process to assist in understanding the very complex path Superfund sites can take on the road to remediation.

GrOwasso 2023

Wendy Kramer, Chelle Mount, & Alexa Beemer — City of Owasso

This StoryMap was created for a presentation to share a brief history on the City of Owasso, as well as highlight the two zoning overlay districts that the Owasso Zoning Code currently has in place. It also shows current trends in development that the City of Owasso is seeing in 2023 and factors that our planning team thinks will continue to spur new development.
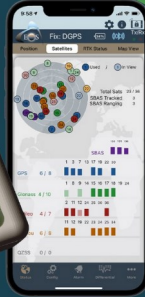
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AllTerra Central

AllTerra is the Authorized Trimble dealer for Survey, Mapping/GIS, Forensic and Marine equipment in Texas, Oklahoma and Arizona, in addition to MGIS in New Mexico. We have 8 offices and provide sales, rentals, repairs and support for the full line of Trimble products; GPS/GNSS receivers, robotic total stations, scanners, SECO accessories, mobile mapping systems, used equipment and field supplies. AllTerra is also a dealer for Juniper and Laser Technology.
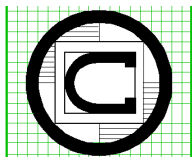
The CEDRA Corporation

The CEDRA Corporation specializes in providing surveying, mapping, engineering software and GIS consulting services. For over 30 years, CEDRA has been providing software and services to private engineering firms, local, state and federal agencies. CEDRA has an extensive background in GIS requirements, data model development, software development, database design, data conversion, field data collection, integration services and implementation. CEDRA has successfully worked on hundred on GIS implementation projects since its formation and is known for offering high quality technology services to its clients.

Many of CEDRA's consulting projects involve integrating field survey information to establish or maintain wastewater, water and stormwater systems. Other CEDRA projects involve maintaining street centerlines, address points, parcels, plats, easements and zoning datasets. CEDRA has also partnered with Nuvolo for providing facilities and space management services.

DATAMARK GIS

DATAMARK is the go-to authority on GIS data for public safety. Its data-forward, full-service and configurable solutions provide the highest levels of public safety GIS data completeness and accuracy to support the requirements for any NG9-1-1 system.

Dobson Fiber

Since its 1936 humble beginnings in Western Oklahoma, the Dobson companies have continued to blaze a trail in the telecommunications industry. We have lived and operated our companies in the same landscape you do, so we know what it takes to survive and thrive here. Dobson Fiber has built and established a vast and expanding high-speed fiber optic network. Through our state-of-the-art network, your voice and data communications are transferred from point to point quickly, safely and reliably, with virtually no interruptions. With over 5,000 miles of fiber throughout Oklahoma, Texas, and Arkansas, Dobson Fiber brings the latest technologies and the bandwidth needed to stay connected. We consolidate all of your communications over a secure, and redundant network using state-of-the-art technology.

EagleView Technologies

EagleView (formerly Pictometry) is an industry-leading technology company that produces high-resolution geo-referenced aerial imagery. The imagery is captured with patented camera systems attached to fixed-wing aircraft resulting in more detail than satellite imagery and greater coverage than drone imagery. EagleView provides both orthogonal (top-down, 90-degree angle) and oblique (bird's eye, 40–50-degree angle) imagery, providing multiple views of a location, including the ability to rotate 360 degrees around buildings and structures. The imagery is imbued with data and insights, meaning everything visible in the imagery can be analyzed, measured, and used to inform decisions. Data can be delivered on a physical drive or hosted remotely. EagleView is a Gold Esri Partner and EagleView's platform integrates seamlessly with popular programs including Esri ArcGIS, CAMA systems, and E911 systems. Schedule a demo today: https://www.eagleview.com/government/contact/

Esri

Esri, the global market leader in geographic information systems (GIS), offers the most powerful mapping and spatial analytics technology available. Since 1969, Esri has helped customers use The Science of Where to unlock the full potential of data to improve operational and business results. Today, Esri software is deployed in more than 350,000 organizations including the world's largest cities, most national governments, 75% of the Fortune 500, and more than 7,000 colleges and universities. Esri engineers the most advanced solutions for digital transformation. IoT, and location analytics to create the maps that run the world. Visit us at esri.com.

Fugro

For over 65 years, Fugro has provided clients with customized geospatial solutions designed to accurately measure and characterize the earth. Fugro is highly competent and wholly committed to continue to provide exceptional service to our clients and its partnering agencies. From precise lidar derived 3D environments, to ortho and oblique imagery we support our local governments and commercial customers in transportation, utilities, emergency response, infrastructure development, and asset planning and management.

Garver

Founded in 1919, Garver is an employee-owned multidisciplined engineering, planning, and environmental services firm with more than 1,000 employees across the United States. Offering a wide range of services focused on aviation, buildings, construction, enterprise solutions, federal, survey, transportation, water, and wastewater, Garver sits in the top 100 of the Engineering News-Record's prestigious Top 500 Design Firms list and is consistently recognized as a best firm to work for. Learn more at GarverUSA.com.

Gill Reprographics, Inc.

* Locally owned and operated since 1987.
* Digital printing & copying.
* Scanning & archiving.
* Banners and various signage
* Document management.
* Large format printing & scanning equipment.
* Large format equipment service, repair and support.
* Ink, paper and supplies.

GIS Certification Institute

The GIS Certification Institute (GISCI) is a nonprofit 501(c)6 organization incorporated in 2002. The GIS Certification Institute (GISCI) promotes the advancement of proficient GIS professionals through its international GISP® (Certified GIS Professional) certification program. The Institute fosters rigorous professional and ethical standards, community engagement, and professional mentoring within the GIS industry. The GISCI provides the geospatial community with an internationally recognized, complete certification program: the GISP® Certification. GISCI offers participants at any stage of their career a positive method of developing value for themselves and employers in the GIS profession. Since our founding, over 10,800 individuals from all over the world have earned the GISP® designation.

G4 Geomatic Resources

With more than 100 years of combined experience in the survey and construction industry, the G4GR team can provide comprehensive solutions for surveying, building, and construction professionals. Collectively, our leadership team of Rodney Walsh, John Clark, Donnie Steele, and Jeff Ryall have spent more than a century serving as equipment representatives, managers, and surveyors in the field. We have a 25+ year relationship with Leica Geosystems and provide customers a diverse portfolio of high-quality, precise, innovative measurement solutions trusted by professionals to record and report accurate spatial information. We have earned customer trust by providing the highest level of sales, support, technology, repairs, maintenance, and training for surveying, HDS/RC/UAS, building, and construction supplies for Texas and Oklahoma, with free delivery included.

Meshek & Associates, LLC

For over twenty years, our GIS professionals have powered our success, building solid relationships with municipalities, counties, state agencies, and private companies.

Our GIS team specializes in: GIS program implementation and needs assessments, GPS data collection, staff training, infrastructure inventory and condition assessment, as-built plan conversion, easement mapping, publishing and managing web-based GIS services, and spatial analysis.

MetroTech

Metro Technology Centers prepares people for successful employment and life in a global society.

MidAmerica GIS Consortium

The MidAmerica GIS Consortium is a network of dedicated leaders in the field of mapmaking, location services, and data management. We support the growing infrastructure of geospatial data analysis through coordination, networking, outreach and education. The people who run MAGIC are volunteers who believe in educating those who support this infrastructure so that they understand the industry standards, the ways in which they can ensure data authenticity, and are able to explain the integrated relationships of the tools and services in this realm. MAGIC represents 9 states in the region. But, we are not limited to just state representation. Our network spans the gamut from local government to academia to private industry. The bulk of the work for MAGIC goes into our biennial conference. The Symposium Committee is responsible for the program, exhibitors, workshops, arrangements, and social aspects of the conference.

NewEdge Services, LLC

NewEdge Services, LLC is focused on implementing GIS, Work/Asset Management Solutions, Permitting/Code Enforcement Solutions, Cloud Hosting, and Related Services. We provide clients with affordable, turnkey solutions for a wide variety of needs. Our expertise include: GIS architecture, design, and management, Cityworks implementation, upgrades and training, hosted cloud solutions, ArcGIS Enterprise implementation and support, system integrations, asset/work management, system implementation, permitting system implementation, custom applications, GIS data creation, GIS analysis, plan georeferencing, user training/support, and much more…

NewEdge has strategically aligned with multiple business partners to provide our clients with implementation services for products that are leaders in their perspective fields. Our long-standing business partner relationships include: Esri (Gold Level), Cityworks (Platinum Level), and Amazon Web Services (AWS) (Advanced Technical Partner).

Oklahoma Public Safety Conference

The OKPSC is just around the corner. This year's educational conference and product exhibition will be held at the Marriott Tulsa Southern Hills. We are expecting an excellent turnout of exhibitors and attendees. The attendance and participation of your agency telecommunicators and 9-1-1 professionals would be a great part in making it the best conference yet!

The dates for the 2023 OKPSC is October 1st - 4th. The annual conference is the largest gathering of the public safety communications community in Oklahoma and will deliver the most comprehensive experience, including:
* Over 25 expert-led education sessions on industry hot topics
* Pre-conference courses to further their knowledge
* Over 6,000 square feet of groundbreaking technology on display in the exhibit hall
* Networking opportunities with colleagues

$170 Non-member price
$150 NENA/APCO member price

Full conference prices include conference courses, banquet ticket, expo hall and t-shirt.

SAM Companies

SAM's experienced professionals are trained to deliver detailed data that meets each client's unique requirements—in your preferred formats. We provide custom geodatabase design and GIS tools to capture, utilize, and manage a wide variety of spatial and attribute data. Our implementation teams can deploy your data in user-friendly applications with mobile capabilities.

Our unrivaled implementation and support services are what make SAM an industry leader in developing effective GIS programs. At SAM, we do not deliver data—we deliver smarter data and we support it after delivery with easy-to-use, cutting-edge tools for analysis. Discover how SAM's fast, data-rich GIS services can support your next project, as well as your daily operations.

Sanborn Geospatial

Sanborn delivers mapping, analysis, visualization and 3D solutions for customers worldwide. The firm currently operates a fleet of aircraft located strategically across the United States. Embracing cutting-edge technology, Sanborn specializes in oblique imagery, lidar, orthophotography, 3D modeling, and visualization services, HD Maps, indoor mapping, and unmanned aircraft system (UAS) services. Sanborn is an ISO 9001:2015-certified contractor.

Surdex Corporation

Surdex Corporation has been supplying accurate and precise geospatial information to a diverse client base for over 65 years. Surdex knows Oklahoma — having flown USDA-NAIP seven times and currently flying it for the eighth time in 2023, contracted with ODOT and flown regional lidar for NRCS. With a fleet of ten aircraft, nine digital image sensors and three lidar sensors and full processing capability — we are "Your Strategic Geospatial Resource."

Texian Geospatial

Texian Geospatial and Asset Solutions, LLC. is a privately owned consulting firm based in San Marcos, Texas. Founded in 2012, Texian Geospatial specializes in a wide spectrum of GIS (Geographic Information Systems) and GPS (Global Positioning Systems) services for asset management in Oil & Gas, Pipeline, Public & Municipal Utilities, and Environmental markets.

We are a small company, big on experience with very competitive rates and highly qualified professional staff. We take pride in our ability to provide personal attention with our small town approach to doing business.

Trimble, Inc.

Trimble Cityworks is the leading GIS-centric Esri® pure-play solution for public asset management and community development. Built exclusively on Esri ArcGIS®, Trimble Cityworks is designed to help organizations manage public assets and their associated data, work activities, and business processes. Together with the Trimble solutions portfolio that includes AgileAssets, e-Builder, Quadri, and Trimble Utilities, Cityworks provides seamless solutions using ArcGIS to create a complete asset lifecycle management solution. As part of the Trimble Asset Lifecycle Management (ALM) portfolio, Cityworks provides enterprise asset lifecycle management and permitting capabilities to help infrastructure owners build public trust by improving project outcomes while reducing asset ownership costs.

University of Oklahoma Center for Spatial Analysis

The Center for Spatial Analysis (CSA) is a multidisciplinary research center housed on the OU-Norman Research campus, specializing in applied geospatial technology research and development. We focus on providing services to: government agencies, private industry, and OU, educational outreach programs, and traditional sponsored academic research. CSA is part of the Department of Geography Environmental Sustainability in the College of Atmospheric and Geographic Sciences.

Woolpert, Inc.

Woolpert provides industry-leading enterprise asset management planning and software solutions for utilities, local government, airports, and the DoD. We help our clients think beyond their current projects and help streamline their performance management through informed business decisions, best practice-aligned methodology, and data integrity. At Woolpert, we can help with all stages of asset lifecycle management and permitting programs—from high-level strategic planning to system implementation and integration. We do this to help our clients meet their objectives, which leads to cost savings, better-connected departments, and more efficient operations. We are key contributing members to the ISO Technical Committee for Asset Management Systems (TC251). Also, more than 20 of our team of experts are certified by the Institute of Asset Management.

Thanks to New Edge Services for sponsoring the pre-conference social at Bricktown Brewery!

Save the Date!

OKSCAUG Winter User Group Meeting

November 8th in Stillwater at Oklahoma State University

https://scaug.org/event-5320870

34th Annual SCAUG Conference

April 24 - 25, 2024 in Frisco, TX

https://scaug.org/2024_FriscoTX

Post Conference Surveys

Attendees

Exhibitors

Your response matters!

Our goal is constant improvement.
These surveys are critical to helping us achieve that.
Each year, about a month after the conference, the
OKSCAUG Steering Committee sits down, reads every
single survey, and comes up with ways to make next
year's conference
even better.

Notes

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2023 OKSCAUG GISP Checklist

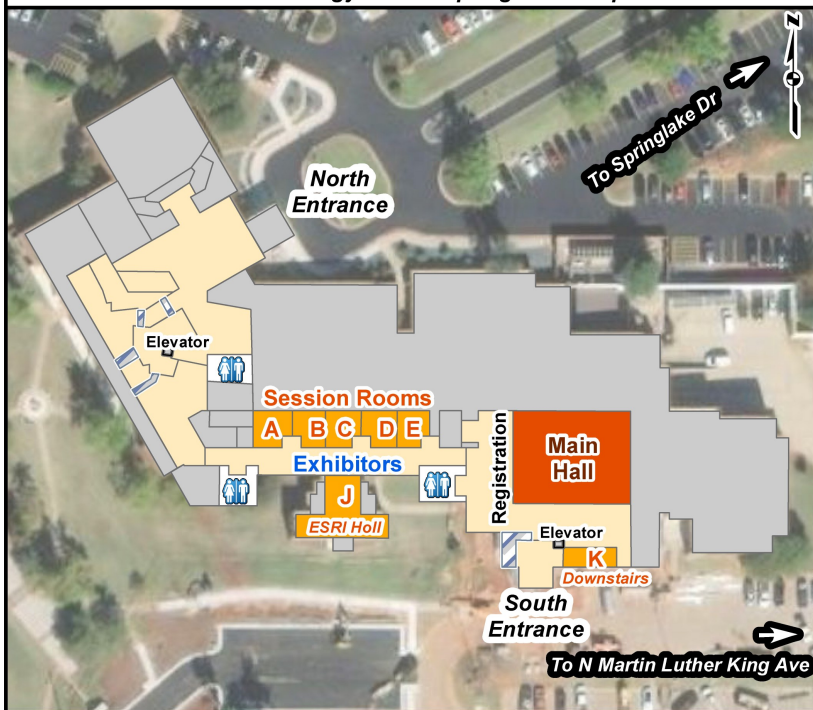| Training / Workshops (4 and 8 hr)	Classifica-	Initial	Recertify-	Credits
Transitioning to ArcGIS Pro (4 hrs)	EDU	4 hrs	4 hrs	
Introduction to ArcGIS Drone2Map (4 hrs)	EDU	4 hrs	4 hrs	
Introduction to SQL for Enterprise Databases (4 hrs)	EDU	4 hrs	4 hrs	
All That and a Bag of Chips! Invisible Skills That Get You Noticed (4 hrs)	EDU	4 hrs	4 hrs	
Airborne Lidar: From Project Plan through Final Delivery (4 hrs)	EDU	4 hrs	4 hrs	
Field and Office Techniques for Seamlessly Integrating GPS Data with GIS (4 hrs)	EDU	4 hrs	4 hrs	
What's New in ArcGIS Pro 3.0 & Beyond (4 hrs)	EDU	4 hrs	4 hrs	
The All-in-One App for Fieldwork ArcGIS Field Maps (4 hrs)	EDU	4 hrs	4 hrs	
Advanced SQL for Enterprise Databases (4 hrs)	EDU	4 hrs	4 hrs	
Terrestrial LiDAR Scanning for Indoor Application (4 hrs)	EDU	4 hrs	4 hrs	
All That and a Bag of Chips! Invisible Skills That Get You Noticed (4 hrs)	EDU	4 hrs	4 hrs	
Introduction to Experience Builder (8 hrs)	EDU	8 hrs	8 hrs	
SCAUG Conference Participation (8 hrs)				
Attendee (Attendee 8 hrs/full day attended)	EDU	1 day	1 day	
Presenter (1 point per instance)	CON	1	3	
Poster Presenter (1 point per instance)	CON	1	3	
Poster Award Winner	CON	2	6	
Instructors				
1/2 Day Training Instructor :	CON	3	9	
1 Day Training Instructor :	CON	3	9	

GISP Points are awarded upon hours of training completed:	40 hrs = 1 EDU pnt	6 hrs= 1 EDU pnt
SCAUG provides GISP EDU points based on the following formula:	1 pnt/yr of membership	3 pnt/yr of membership

Total GISP Points Earned: _____

1900 Springlake Dr
Oklahoma City, OK 73111

Metro Technology Center Springlake Campus

To Springlake Dr

North Entrance

Elevator

Session Rooms
A B C D E

Exhibitors
J
ESRI Holl

Registration

Main Hall

Elevator

K
Downstairs

South Entrance

To N Martin Luther King Ave