

WELCOME TO THE  
34TH ANNUAL SCAUG CONFERENCE

**BACK**  
**TO FRISCO**

*APRIL 24 & 25, 2024*

*at the*

**Embassy Suites by Hilton**

**Dallas Frisco**

**Hotel & Convention Center**

# Presidential Welcome

## 34th Annual SCAUG Conference

### *Welcome Back to Frisco, TX!*

It is a pleasure to interact with and bring resources to such a talented group of GIS professionals within this region. Many times, we take our profession for granted as “Just what we do”. I would challenge each one of you during the few days to realize how interesting the role GIS plays in our society. Each of us now comes to this event with more geospatial resources in our pocket than our entire agency had 10 years ago. GIS has become a such a mainstream integration into society that the “where” aspect is now part of everything we touch. Whether your daily tasks involve maintaining a GIS for a municipality, a government agency, or a private entity the vast number of ever-expanding data sources truly overlaps across each and every aspect of daily life. Without the professionals that are gathered here for a few days focusing on the future of GIS there would not be the GIS profession that everyone relies upon. Take the next few days to set the phone, tablet, and laptop aside. Work will absolutely be there in full force when you get back next week but this dedicated conference opportunity you have in front of you for a few days with SCAUG won't be back around for another year. Visit with old friends, make new ones, ask questions, and be willing to answer questions. Everyone at the conference has valuable content to contribute to the profession. It genuinely is the Regional SCAUG Board's goal each year to build you the opportunity to enjoy professional growth and networking based on what you requested. Now is your opportunity to show us what you intend to do with the time and resources we have laid before you. Enjoy the time and I sincerely hope you have a good week with us.

*Regional SCAUG President,  
CEB III*



View this  
Conference Guide  
online



Send us your  
conference  
pictures!

# Table of Contents

Keynote Speaker -----	4
The Exhibit Hall -----	6-7
Workshops -----	8
Platinum Sponsor -----	10
Gold Sponsors -----	10
Silver Sponsors -----	11
Presentations -----	12-17
Esri HOLL Course List -----	20
Scholarship Winners -----	22 & 23
<b>Conference Schedule -----</b>	<b>center 24 &amp; 25</b>
Current SCAUG Board -----	26
Map Gallery & Poster Contest -----	28 & 29
Esri Tech Session Abstracts -----	32
Adventures with Tug -----	33
Visit Frisco: Visitors Guide & Map -----	34
New Edge Baseball Game Info -----	35
Save the Date: OKSCAUG 2024 -----	36
Notes Pages -----	39-45
GIS Word Search -----	41
Post-Conference Surveys -----	45
GISP Checklist -----	46
Hotel & Conference Center Map -----	47

# KEYNOTE ADDRESS

WEDNESDAY, APRIL 24, 2024  
BY

**PAUL GIROUX, GISP**

INNOVATION OFFICER AT GSU, INC;  
FOUNDER OF SLIMGIM  
& SPECIALIZING IN ENTERPRISE GIS,  
DATA & ANALYTICS STRATEGY



## **HOW (UN)HEALTHY IS YOUR ENTERPRISE? THE IMPORTANCE OF CONSTANT MEASUREMENT, PATIENCE, AND PERSISTENCE IN DRIVING LASTING CHANGE**

About Paul:

Having started his education with a Bachelor's Degree in Environmental Geography from Nipissing University in 1994, Paul has gone on to a stellar career in the geospatial industry. He graduated from Manchester Metropolitan University in 2014 with an MSc in GIS, his dissertation centering on "The Slim GIM Framework: A Pragmatic Geographic Information Management Framework for Assessing and Improving Enterprise GIS and Workflow Health". He achieved his GISP Professional Certification in 2015 and received the BeSpatial Ontario Leadership Award in May 2023. He is the founder of the Slimjim enterprise geospatial maturity model and is currently President of Mass Maturity, residing in Canada.



maturity:studio

ENTERPRISE GIS MATURITY  
*Slimjim*



**Affordable High Accuracy**



**Bad Elf®**

**bad-elf.com**



APPLIED GEOSPATIAL RESEARCH AND  
DEVELOPMENT, EDUCATION, AND  
OUTREACH  
visit [ou.edu/csa](http://ou.edu/csa)



# Check out the



# EXHIBIT HALL!

## EXHIBIT HALL HOURS:

*Wednesday 9 AM — 8 PM*

*Thursday 8 AM—4 PM*

Get to know our Exhibitors by visiting the Exhibit Hall.  
Maybe they'll join you for a round of  
**Dino Bowling or Tug Toss!**



**Exhibitor Bios & Websites**

# Pre-Conference Workshops



## MONDAY, APRIL 22, 2024

	Frisco 3	Frisco 4	Frisco 5
8:00 AM - 12:00 PM	Investigating GeoAI with ArcGIS  Esri	Introduction to SQL for Enterprise Databases  John May	Understanding Standard ArcGIS Enterprise Configurations  New Edge
1:00 PM - 5:00 PM	More than ArcGIS Online Fundamentals  Esri	Essential Arcade  David Allen	Advanced Field Data Collection Methods and Practical Applications  Bad Elf

## TUESDAY, APRIL 23, 2024

	Frisco 3	Frisco 4	Frisco 5
8:00 AM - 12:00 PM	Transitioning to ArcGIS Pro  Esri	Advanced SQL for Enterprise Databases  John May	Efficiency & Management Hacks; Building Humane Systems  Tim Nolan
1:00 PM - 5:00 PM	What's New in ArcGIS Pro 3.0  Esri	Advanced Arcade  David Allen	Working with ArcGIS Pro 3.0  AllTerra





# VertiGIS Studio™

▶ [vertigis.com/vertigis-studio](http://vertigis.com/vertigis-studio)

# INSPIRED BY COMMUNITY



[www.wginc.com](http://www.wginc.com)

# Platinum Sponsor



**ALLTERRA**<sup>™</sup>  
allterracentral.com

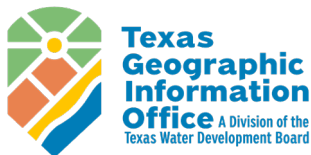
# Gold Sponsors



Transforming the Way the World Works



# Silver Sponsors



# Wednesday Presentations



**Critical Response to Schools - Fostering GIS in Public Schools**

*Betsi Chatham - City of Grapevine*

**Workflows for NG9-1-1 Data Management**

*Annie Cahill - Datamark*

**Teaching the Teachers the Importance of GIS: A look at the struggles of school outreach and what Oklahoma has learned**

*Kansas Abernathy - OK Transportation Cabinet*

---

**From Paper Stacks to Dashboards: An Adaptation of Survey123 and Survey123 Connect for Environmental Operations**

*Miriam Gomez - City of Carrollton*

**Avoiding the Distress of Sidewalk Assessments**

*Seth Adams - WGI Geospatial*

**Greater Sudbury Hydro Utility Workflows Explained: GNSS, Inspections & Public Reporting**

*Paul Giroux - Greater Sudbury Utilities (GSU)*

---

**ArcGIS Pro Tasks - What are they and why should I use them?**

*David Allen - City of Roanoke*

**Addressing 911 Challenges with 3D Data**

*Heather Geyer - Fugro*

**SCAUG and YOU**

*Garri Grossi - SCAUG*

---

**GIS and Engineering: Utilizing GIS & Drone Cartography with Engineering**

*Patrick R. Gray - City of McAllen*

**Leveraging GIS Technology for Improved Infrastructure Management**

*Holli Gill - Waggoner Engineering*

**DFW Metroplex Arc User Group Kickoff Meeting**

*The Metroplex Arc User Group is launching an initiative to enhance the experience for ArcGIS users in the DFW Metroplex*

---

**Utilizing ArcGIS Urban for Fiscal Analyses**

*Robbie Highfield - City of Fate*

**ArcGIS Experience Builder : Tips and Tricks**

*Greg Hakman - Esri*

**Increase your Impact: Learn how to enhance your presentations to be more engaging with your audience**

*Nicole Dogan - Town of Flower Mound*



## ENABLING BETTER DECISIONS WITH BETTER DATA



We use the latest technology and cost-effective spatial data management solutions to deliver fit-for-purpose data and comprehensive mapping services that answer real business needs.

To find out more visit [fugro.com](http://fugro.com)



EMPOWER YOUR COMMUNITY AND

# ENGAGE

WITH YOUR CITIZENS THROUGH  
GIS-CENTRIC SOFTWARE

Enterprise Permitting & Licensing software is built on the Esri GIS platform to spatially link and share data with all interested parties from project concept to planning and approval. Stop by the Tyler Technologies booth to learn more!

[tylertech.com/communitydev](http://tylertech.com/communitydev)



# CONTEMPLATING YOUR GEOSPATIAL FUTURE?

A GISP PROFESSIONAL  
CERTIFICATION CAN HELP!

VISIT

**[www.gisci.org](http://www.gisci.org)**  
TO LEARN MORE!



# GISP










**TEXAS<sup>®</sup> MOST TRUSTED NAME IN GEOSPATIAL TECHNOLOGIES AND CONSULTING!**

At G4 Geomatic Resources, we have a proven reputation for offering the best support and service in TEXAS. With a professional staff, we are able to offer our clients the latest surveying & HD5 scanning equipment and technology in the industry. We also have the largest selection of survey and field supplies in Texas with thousands of products from many quality manufacturers that help us build a custom solution for your business.

**Made2Measure....THE RIGHT TOOL FOR THE JOB**



**Leica G518i**  
Fastest RTK Rover  
No Interference Tilt  
Visual Positioning



**Leica RTC360**  
2Mii PPS Scanner  
VIS Tracking  
Field Registration



**Leica NEW MS60**  
30K PPS Scanner  
1" Robotic TS  
200mm Reflectorless

<p><b>G4GR San Antonio</b> 3013 E. Hubertia San Antonio, TX 78214 (210) 441-4280</p>	<p><b>G4GR Austin South</b> 4111 Towl Lane Austin, TX 78754 (512) 857-8915</p>	<p><b>G4GR Austin North</b> 3112 Rutland #100 Austin, TX 78758 (512) 857-8911</p>	<p><b>G4GR DFW Area</b> 2714 Stony Hill West Irving, TX 75039 (972) 495-5328</p>	<p><b>G4GR Houston</b> 8810 Cowens Road Houston, TX 77047 (713) 779-0000</p>
--	--	---	--	--



**G4 GEOMATIC RESOURCES**



Sales | Rentals | Service | Support | Training [www.G4GR.com](http://www.G4GR.com)




# Your Strategic Geospatial Resource

- Aerial imagery acquisition
- Digital orthoimagery
- Lidar acquisition and processing
- Digital mapping



**SURDEX CORPORATION**

**Cornell Rowan, CP**  
Sr. Project Manager  
[cornellr@surdex.com](mailto:cornellr@surdex.com)

# Thursday Presentations



**Making your Asset Management Data work for you**

*Olesya Powers - City of Rockwall*

**ArcGIS: A Foundation for Digital Twins**

*Eric Lomeli - Esri*

**Adapting to Changing Tools: Migrating from WebApp Builder to Experience Builder**

*Candace Perry - Center for Spatial Analysis*

---

**All things Stormwater: A Special Interest Group Get Together**

*Amy Rose - City of Dallas*

**Eagleview - Products and Use Cases for GIS professionals**

*Stephen Ross - Eagleview*

**Student Applied Innovations to Support Indoor Real-world Solutions**

*J. Scott Sires - Dallas College*

**PROWEST**  
& Associates

## Award-winning GIS support for local governments

- 📍 GIS modernization
- 📍 Parcel Fabric implementation and training
- 📍 Enterprise GIS implementation
- 📍 Esri solution configuration
- 📍 System integration
- 📍 System architecture design and deployment



[www.prowestgis.com](http://www.prowestgis.com)

**EMPOWERING  
ALL COMMUNITIES  
TO LIVE BETTER.**



# Thursday Presentations (Cont.)



**Special Event Operations – Frisco Variant**

*Chris Shuma - City of Frisco*

**Put ArcGIS® Utility Network into Action with VertiGIS Networks**

*Scott Stafford-Veale - VertiGIS North America*

**Overview & Importance of InSAR Applications & Services for Texas**

*Danielle Smilovsky - Conrad Blucher Institute at Texas A&M, Corpus Christi*

---

**Effective communication plays a crucial role in establishing a robust GIS framework within your business.**

*Suzanne Whitcomb - Town of Little Elm*

**Consolidating & Advancing Capabilities in 60 Days: Tulsa Airports' Rapid Ready Story**

*Brent Wilson - Woolpert*

**Garland ISD Application & Reporting for Door Security Audits**

*James Walker - Garland ISD*

---

**Restaurant Kitchen Inspection Using Survey123 & Dashboard**

*Victor Gutzler - City of Arlington Parks & Rec*

**So you want your data systems to talk? - NewEdge will tell you how.**

*Laura Carr - NewEdge Services*

**Jordan Carmona – SCAUG**

---

**GIS and Engineering: Utilizing GIS & Drone Cartography with Engineering**

*Patrick R. Gray - City of McAllen - Public Utilities*

**Integrating Geo-Social Governance with Community Flood Risk Resilience**

*Samual Amoako-Atta - Half*

**All things Stormwater: A Special Interest Group Get Together**

*Amy Rose - City of Dallas*

---

**Power BI: GIS' MVP**

*Lisa Uhlich - Town of Little Elm*

**Leveraging Deep Learning Techniques to Generate Urban Trees Inventory**

*Charles Woods - City of Frisco*

**Santa on the Move - Mapping Parades in Real Time**

*Brian Jones - City of Farmers Branch*

# DATA-FORWARD, FULL SERVICE, CONFIGURABLE SOLUTIONS FOR NEXT GENERATION 9-1-1.



Delivers  
Comprehensive  
GIS Services



Coordination & Education  
Through Stakeholder  
Outreach



Facilitates  
Alignment with  
Industry Standards



Supports Sustainable  
Governance



Software as a Service  
Platform



DATAMARK

DATAMARKGIS.COM |    @DATAMARKGIS



# ALL EYES ARE ON YOU TO DELIVER SMART COMMUNITIES.

## WHAT WILL YOU DO?

Smart communities are being built. Thousands of jurisdictions are applying ArcGIS® technology for planning and engineering, operational efficiency, data-driven performance, and civic inclusion. Start your own smart community journey.

[go.esri.com/eyes-on-smart](https://go.esri.com/eyes-on-smart)



**esri**®

THE  
SCIENCE  
OF  
WHERE®

# ESRI HANDS ON LEARNING LAB



**Wednesday, April 24: 1:00 - 4:50 PM**  
**Thursday, April 25: 9:00 AM to 2:50 PM**

The HOLL consists of a group of laptops with headphones where students can work through lessons at their own pace. A lesson consists of a recorded presentation followed by a hands-on exercise. Each lesson typically takes about 45 minutes to one (1) hour to complete and students can generally come and go as they please.



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

You're Invited  
to the  
**DFW Metroplex  
Arc User Group**  
Kickoff Meeting

**Wednesday, April 24  
3:40 PM – 4:10 PM  
Frisco 5**



# *Congratulations*

## **2024 Scholarship Winners**



**Abby Curry, Oklahoma State University**

Abby is an undergraduate Geography major at Oklahoma State University. She has worked as a research assistant doing undergraduate research and outreach on the Ogallala Aquifer and farmers' adaptations to drought in the High Plains region, and she is currently interning as a geospatial technician. She plans to go to graduate school for a masters in Geography and wants to help communities navigate the environmental challenges caused by climate change.

# Congratulations

## 2024 Scholarship Winners



**Ehsan Foroutan, Oklahoma State University**


Ehsan Foroutan is a PhD student in geospatial science at the Department of Geography at Oklahoma State University. He earned his bachelor's degree in surveying engineering in 2009 from the University of Isfahan, Iran and obtained his master's degree in GIS in 2012 from the University of Tehran, Iran. Prior to joining OSU, he worked as a GIS expert and Geodatabase administrator in the GIS Department of Isfahan Municipality. He is a licensed land surveyor in Iran and has served as a surveying engineer in numerous cadastral and construction projects. His doctoral research focuses on the application of geospatial big data analytics and GeoAI in population and environmental health. His current research aims to leverage multi-source geospatial big data, such as satellite imagery, street view images, smartphone user mobility, social media check-in data, and machine learning algorithms to address heat vulnerability in the context of climate change. To date, he has published two papers in notable GIS journals, such as *Transactions in GIS* and *International Journal of Applied Earth Observation and Geoinformation* (forthcoming). Additionally, he was awarded first place in the Best Graduate Poster Competition at the 2023 Southwest Division of the American Association of Geographers (SWAAG) Annual Meeting in Laredo, Texas.

## Tuesday, April 23

5:00 PM—8:00 PM

MEET & GREET SOCIAL - REFRESHMENTS UNTIL 6PM (ATRIUM)

## Wednesday, April 24

7:30 AM — 9:00 AM	Registration (Foyer) + Continental Breakfast (Ballroom / Frisco 6)			
9:00 AM — 10:45 AM	Opening Session (Ballroom / Frisco 6)			
10:45 AM — 11:30 AM	Keynote address—Paul Giroux, GISP, Founder of Slingim (Ballroom / Frisco 6)			
12:00 PM — 1:00 PM	CATERED LUNCH (ballroom / frisco 6)			
SESSIONS	Track 1 Frisco 3	Track 2 Frisco 4	Track 3 Frisco 5	Track 4 Bush
1:00 PM—1:30 PM	Critical Response to Schools - Fostering GIS in Public Schools  Betsi Chatham - City of Grapevine	Workflows for NG9-1-1 Data Management  Annie Cahill - Datamark	Teaching Teachers the Importance of GIS  Kansas Abernathy - OK Transportation Cabinet	Esri Hands On Learning Lab
1:40 PM — 2:10 PM	From Paper Stacks to Dashboards: An Adaptation of Survey123 and Survey123 Connect for Environmental Operations  Miriam Gomez - City of Carrollton	Avoiding the Distress of Sidewalk Assessments  Seth Adams - WGI Geospatial	Greater Sudbury Hydro Utility Workflows Explained  Paul Giroux - Greater Sudbury Utilities (GSU)	
2:20 PM — 2:50 PM	ArcGIS Pro Tasks - What are they and why should I use them?  David Allen - City of Roanoke	Addressing 911 Challenges with 3D Data  Heather Geyer – Fugro	SCAUG and YOU  Garri Grossi – SCAUG	
3:00 PM — 3:30 PM	Exhibitor Break (Ballroom / Frisco 6)			
3:40 PM — 4:10 PM	GIS and Engineering: Utilizing GIS & Drone Cartography with Engineering  Patrick R. Gray - City of McAllen	Leveraging GIS Technology for Improved Infrastructure Management  Holli Gill - Waggoner Engineering	<b>DFW Metroplex Arc User Group Kickoff Meeting</b> 	Esri Hands On Learning Lab
4:20 PM — 4:50 PM	Utilizing ArcGIS Urban for Fiscal Analyses  Robbie Highfield - City of Fate	ArcGIS Experience Builder: Tips and Tricks  Greg Hakman - Esri	How to enhance your presentations to be more engaging with your audience  Nicole Dogan - Town of Flower Mound	
5:00 PM — 8:00 PM	Exhibitor Social — Refreshments until 6pm (Ballroom / Frisco 6) 6:35 PM Baseball Game			



# Thursday, April 25

Registration (Foyer) + Continental Breakfast (Ballroom / Frisco 6)				8:00 AM—9:00 AM
Track 1 Frisco 3	Track 2 Frisco 4	Track 3 Frisco 5	Track 4 Bush	SESSIONS
Making Your Asset Management Data work for You Olesya Powers - City of Rockwall	ArcGIS: A Foundation for Digital Twins Eric Lomeli - Esri	Adapting to Changing Tools: Migrating from WebApp Builder to Experience Builder Candace Perry - CSA	Esri	9:00 AM—9:30 AM
All things Stormwater: A Special Interest Group Get Together Amy Rose - City of Dallas	Eagleview - Products and Use Cases for GIS professionals Stephen Ross - Eagleview	Student Applied Innovations to Support Indoor Real-world Solutions J. Scott Sires - Dallas College	Hands On Learning Lab	9:40 AM—10:10 AM
Exhibitor Break (Ballroom / Frisco 6)				10:10 AM—10:40 AM
Special Event Operations – Frisco Variant Chris Shuma - City of Frisco	Put ArcGIS® Utility Network into Action with VertiGIS Networks Scott Stafford-Veale - VertiGIS North America	Overview & Importance of InSAR Applications & Services for Texas Danielle Smilovsky - Conrad Blucher Institute at Texas A&M CC	Esri	10:40 AM—11:10 AM
Effective communication in establishing a robust GIS framework Suzanne Whitcomb - Town of Little Elm	Tulsa Airports' Rapid Ready Story Brent Wilson - Woolpert	Garland ISD Application & Reporting for Door Security Audits James Walker - Garland ISD	Hands On Learning Lab	11:20 AM—11:50 AM
Catered Lunch (Ballroom / Frisco 6)				12:00 PM—1:00 PM
Restaurant Kitchen Inspection Victor Gutzler - City of Arlington Parks & Rec	So you want your data systems to talk? Laura Carr - NewEdge Services	Jordan Carmona - SCAUG		1:00 PM—1:30 PM
Utilizing GIS & Drone Cartography with Engineering Patrick R. Gray - City of McAllen - Public Utilities	Geo-Social Governance with Community Flood Risk Resilience Samual Amoako-Atta - Half	All things Stormwater: A Special Interest Group Get Together Amy Rose - City of Dallas	Esri	1:40 PM—2:10 PM
Power BI: GIS' MVP Lisa Uhlich - Town of Little Elm	Deep Learning Techniques & Urban Trees Inventory Charles Woods - City of Frisco	Santa on the Move - Mapping Parades in Real Time Brian Jones - City of Farmers Branch	Hands On Learning Lab	2:20 PM—2:50 PM
Closing Session & Door Prizes (Ballroom / Frisco 6)				3:00 PM—4:00 PM

# 2023 – 2024

## Regional SCAUG Board

**Charles Brady III, GISP**  
City of Ardmore, OK  
*President*  
[President@scaug.org](mailto:President@scaug.org)

**Shellie Willoughby, GISP**  
OK Office of Geographic Information  
*Vice President*  
[VicePresident@scaug.org](mailto:VicePresident@scaug.org)

**James Allen**  
Carter County, OK  
*Treasurer*  
[Treasurer@scaug.org](mailto:Treasurer@scaug.org)

**Bill Moss**  
Texarkana Water Utilities  
*Secretary*  
[Secretary@scaug.org](mailto:Secretary@scaug.org)

**Ronald Vaughn**  
City of Plano  
*Executive Board Member at Large*  
[pastpresident@scaug.org](mailto:pastpresident@scaug.org)

**Traci Tracey**  
Esri  
*Esri Representative*  
[Esri@scaug.org](mailto:Esri@scaug.org)

**Bill Hodge, GISP**  
*Conference Coordinator Elect*  
[Coordinatorelect@scaug.org](mailto:Coordinatorelect@scaug.org)

**Jordan Carmona, GISP**  
*Conference Coordinator*  
[Coordinator@scaug.org](mailto:Coordinator@scaug.org)

**Garri Grossi**  
City of Carrollton, TX  
*North Texas Representative*  
[NTexas@scaug.org](mailto:NTexas@scaug.org)

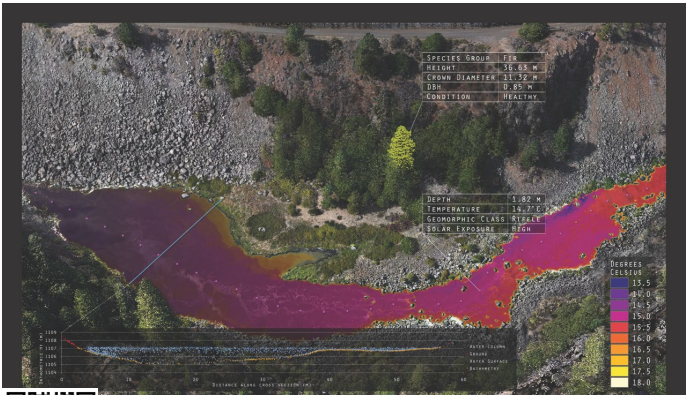
**Derrick Holland**  
City of Port Arthur, TX  
*South Texas Representative*  
[STexas@scaug.org](mailto:STexas@scaug.org)

**Madeline Dillner**  
Oklahoma Corporation Commission  
*Oklahoma Representative*  
[Oklahoma@scaug.org](mailto:Oklahoma@scaug.org)

**Scott Trapolino, GISP**  
Desoto County, MS  
*Mississippi Representative*  
[Mississippi@scaug.org](mailto:Mississippi@scaug.org)

**John W. McEwen, PhD, GISP**  
Duplantis Design Group  
*Louisiana Representative*  
[Louisiana@scaug.org](mailto:Louisiana@scaug.org)

**Grayson Wylie**  
*Student Representative*  
[nqe1@txstate.edu](mailto:nqe1@txstate.edu)



Anyone Can Take A Picture  
We Tell Its Story

**NIV5** GEOSPATIAL  
NV5Geospatial.com

**Asset Lifecycle Management**

Build trust. Improve project outcomes. Lower total asset costs.

**Trimble**

Transforming the Way the World Works



**Open data, connected workflows**

# Poster Contest

>> VOTE HERE <<

**Don't miss the Map Gallery in the Exhibit Hall!**

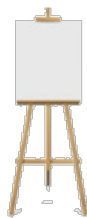
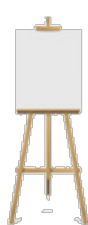
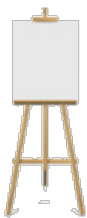
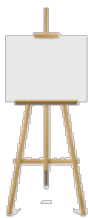
Voting will take place via Survey123 and will be open to all conference exhibitors and attendees.

Voting Survey Opens: 1:00 PM on Wednesday, April 24

Voting Survey Closes: 1:00 PM on Thursday, April 25



[https://scaug.org/2024\\_SCAUG\\_MapApp\\_Gallery](https://scaug.org/2024_SCAUG_MapApp_Gallery)





# POSTER ENTRIES

---

Colin Goralczyk - North Texas Municipal Water District  
**Bois d'Arc Lake: A Peek through the Clouds**

Patrick Gray - McAllen Public Utility  
**Through the System: Where Does Our Water Come From**

Sherrie Hubble - Freese & Nichols  
**Story Map: The City of Siloam Springs 2040 Comprehensive Plan**

John W. McEwen - DDG  
**sUAV-Acquired Normalized Difference Vegetation Index data to Create Observed Surface Classifications in a Coastal Habitat**

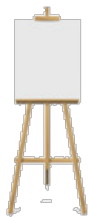
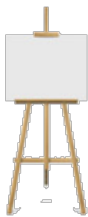
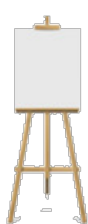
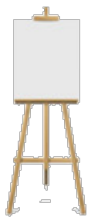
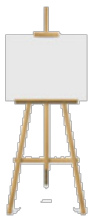
Robert Oleson - Garland ISD  
**Innovative Choice**

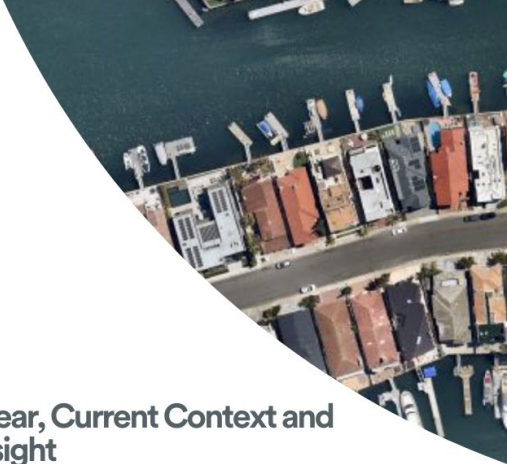
Kristi Shannon - City of Lawton, OK  
**Lawton Annexations**

Johnny Brown - Harris County  
**Story Map: A World Changing Event and an Abundance of Opportunity: Hiking Every State Park of Texas**

James Walker - Garland ISD GIS Department  
**Garland ISD Streetmap**

Patrick Gray - McAllen Public Utility & Texarkana Texas Fire Department - Fire Districts and ESN  
**Utility Engineering Project Dashboard**





## Clear, Current Context and Insight

Leverage GIS technology and high-resolution aerial imagery, AI, and 3D to solve problems, create a shared understanding, and accelerate decision-making with precise location intelligence.



### Current capture program

Seasonal imagery  
updates, up to 3 times  
per year



# PRECISE LOCATION INTELLIGENCE

The truth is in the details.



## Rapid Delivery

Stream content within days of capture – accessible via the cloud



## High-Resolution

Consistently 2.2-3"  
(5.5-7.6cm) GSD



**nearmap** 

# Esri Tech Sessions

## ArcGIS Experience Builder: Tips and Tricks

*Greg Hakman, Anna Gonzalez - Esri*

In this session we will provide tips and tricks to expose the hidden gems of ArcGIS Experience Builder. Learn how to do things like copy widgets from one page to another page, display a message or an image when there is no selected feature, filter multiple layers at once, work with layer visibility so you can use one web map for multiple maps, and more!



## ArcGIS: A Foundation for Digital Twins

*Eric Lomeli, Ana Rodriguez - Esri*

Urban environments are diverse, complex, and constantly evolving. Despite the interdependence among them, systems and domains like sustainability, planning, mobility, building, and operations are too often treated independently of one another. In this session, you will learn about digital twins of the built environment and how to apply workflows to simulate in the digital world before moving to the physical one. Cities and organizations need a new paradigm through which to understand the interconnectedness and relationality inherent in planning and modeling; they need a digital twin.



**Think Beyond** your current operations and streamline your entire performance management.

- Trimble Implementation Services
- Asset Lifecycle Management
- Photogrammetry, Remote Sensing, and Lidar







**Going  
Somewhere?**

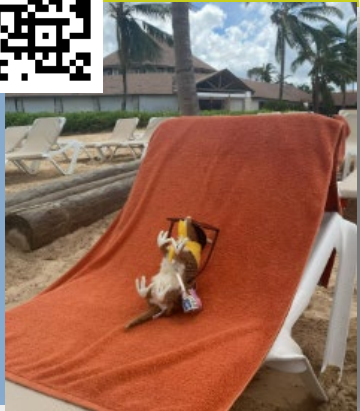
**Take Tug  
with you!**



**“Tug Checking In!**

**It's Tuesday, September 27, 2022, and I  
am with Kelsey Bufford at  
Punta Cana, Dominican Republic!**

What are we up to? Well, in the words  
of my travel buddy:  
*‘Tug and I are relaxing at the beach,  
taking in the beautiful scenery, and  
having a few cocktails!’”*

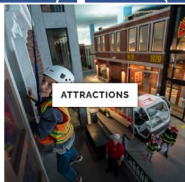


**[www.scaug.org/tug](http://www.scaug.org/tug)**



# Frisco

www.visitfrisco.com



ATTRACTIONS



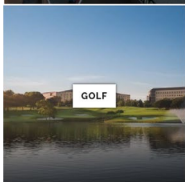
ARTS & CULTURE



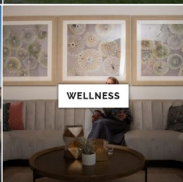
MUSEUMS



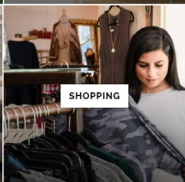
OUTDOORS



GOLF



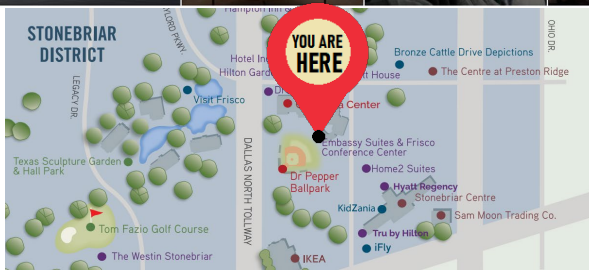
WELLNESS



SHOPPING



NIGHTLIFE



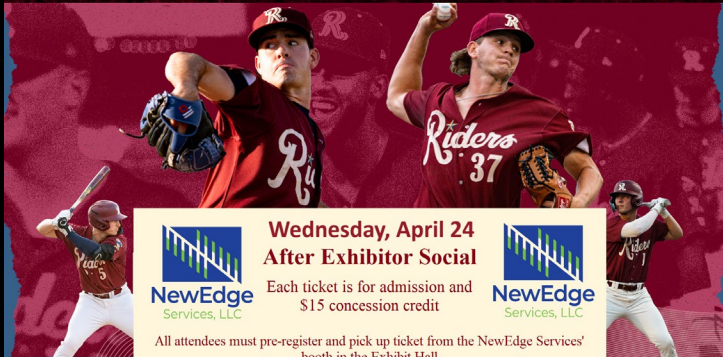
“Thanks,  
Frisco!”  
- Tug



## Frisko Visitors Guide



# FRISCO ROUGHRIDERS



**NewEdge**  
Services, LLC

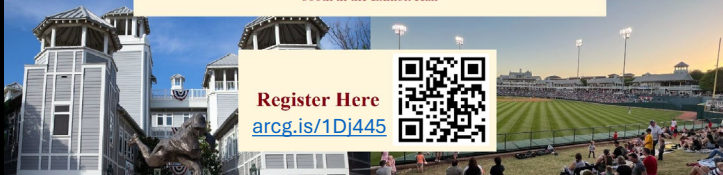
**Wednesday, April 24  
After Exhibitor Social**

Each ticket is for admission and  
\$15 concession credit



**NewEdge**  
Services, LLC

All attendees must pre-register and pick up ticket from the NewEdge Services' booth in the Exhibit Hall



**Register Here**  
[arcg.is/1Dj445](http://arcg.is/1Dj445)



**New Edge Services - Rough Riders Baseball Game @ 6:35 PM**

*See New Edge Service Booth During the Conference for Tickets & Details*

*A Special Thanks to New Edge Services for always being such a good friend to the SCAUG membership!*



*"The more things change,  
the more they stay the  
same."*

**Experience the same  
great content in a new  
location.**



# 27<sup>th</sup> Annual OKSCAUG Conference

Tuesday, September 17, 2024

Back for a second year at



Spring Lake Campus  
Oklahoma City, OK



**Asset Lifecycle Management**

Build trust. Improve project outcomes. Lower total asset costs.

**Trimble**

Transforming the Way the World Works



**Open data, connected workflows**

**eagleview**

**BETTER DATA FOR BETTER DECISIONS**

EagleView imagery integrates seamlessly with mapping software to help GIS professionals manage, analyze, and leverage data.

[www.eagleview.com](http://www.eagleview.com)



# GO FURTHER.



**NewEdge**  
SERVICES, LLC



GIS Services

Asset/Work  
Management

Cloud Hosting

Unmatched Expertise at an Affordable Rate

FRISCO, TX | [www.NewEdgeServices.com](http://www.NewEdgeServices.com) | [info@NewEdgeServices.com](mailto:info@NewEdgeServices.com)



SPECIES GROUP	FB
HEIGHT	56.65 M
CROWN DIAMETER	11.52 M
DBH	0.85 M
CONDITION	HEALTHY

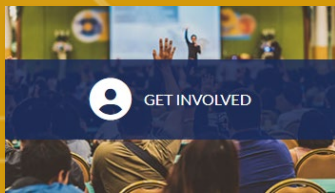
DEPTH	1.82 M
TEMPERATURE	19.7°C
GEOGRAPHIC CLASS	RIVER
SOLAR EXPOSURE	HIGH



Anyone Can Take A Picture  
We Tell Its Story

**NV5** GEOSPATIAL  
[NV5Geospatial.com](http://NV5Geospatial.com)

# NOTES



The TAGITM mission is to support government technology professionals by providing education, collaboration and leadership opportunities that promote innovation and services.

[tagitm.org](http://tagitm.org)



TAGITM

PO Box 2329  
Leander, Texas 78646  
[info@tagitm.org](mailto:info@tagitm.org)  
512-220-4295

Get Connected

Facebook  
 Twitter  
 LinkedIn



P	U	E	C	O	D	W	S	D	E	A	O	V	P	S
X	H	P	S	O	J	I	E	D	S	Q	L	C	L	H
E	A	O	M	A	G	Y	U	I	L	U	Q	C	A	A
C	E	A	T	Y	B	T	J	S	V	W	T	F	N	P
R	I	L	K	O	I	A	H	P	T	C	E	S	I	E
N	E	N	L	T	G	T	T	G	S	A	R	C	M	F
W	O	T	A	I	R	R	F	A	T	B	O	A	E	I
V	F	L	S	A	P	H	A	U	D	V	N	R	T	L
F	N	U	E	A	T	S	R	M	E	O	G	V	R	E
L	I	D	A	R	R	E	O	R	M	D	E	T	I	E
G	C	F	A	O	C	L	A	I	R	E	A	G	C	S
G	R	E	T	L	V	G	I	I	D	L	T	C	S	R
P	A	C	A	T	E	S	A	T	A	D	Z	R	R	I
N	E	S	L	O	N	G	I	T	U	D	E	F	Y	A
V	S	O	R	P	S	I	G	C	R	A	W	I	S	I

**AERIAL**  
**ARCADE**  
**ARCGISPRO**  
**ARCINFO**  
**ARCVIEW**  
**COVERAGE**  
**DATASET**  
**DOMAIN**

**EARTH**  
**ELLIPSOID**  
**ESRI**  
**FEATURECLASS**  
**GEODATABASE**  
**GIS**  
**GPS**  
**LATITUDE**

**LIDAR**  
**LONGITUDE**  
**PHOTOGRAMMETRY**  
**PLANIMETRIC**  
**RASTER**  
**SHAPEFILE**  
**SQL**  
**VECTOR**



# TEXAS GIS FORUM

OCTOBER 21 - 25, 2024  
AUSTIN, TEXAS

SCAN QR CODE  
TO LEARN MORE



X (TWITTER):  
[@GEOGRAPHICTX](https://twitter.com/GEOGRAPHICTX)

YOUTUBE:  
[@GEOGRAPHICTX](https://www.youtube.com/@GEOGRAPHICTX)  
[GEOGRAPHIC.TEXAS.GOV](https://www.geographic.texas.gov)

## Attend the Forum!

The Texas GIS Forum brings together industry trailblazers, nationally recognized experts, and pioneering academics to create a GIS-empowered future for all Texans. The Texas GIS Forum, hosted by the Texas Geographic Information Office, provides geospatial professionals with the knowledge, connections, and experience to navigate new challenges, emerging trends, and the latest technology.

Over five days in the state capital, geospatial professionals will have the opportunity to hear dozens of inspiring presentations, attend expert-led workshops, and exchange ideas with peers from across the state.

Attend the Texas GIS Forum and shape the future of the GIS landscape in Texas!

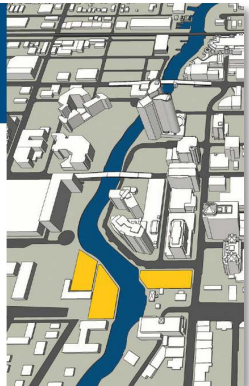




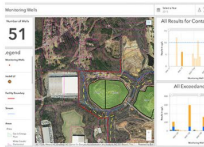


**Think Beyond** your current operations and streamline your entire performance management.

- Trimble Implementation Services
- Asset Lifecycle Management
- Photogrammetry, Remote Sensing, and Lidar



OIL & GAS COLLECTION



UTILITY SYSTEMS DATA COLLECTION



GIS & GPS SERVICES

OFFICE LOCATION

Texian Geospatial  
PO Box 1405  
San Marcos, TX 78667

Phone: 512-423-4249  
Email: [info@texiangeospatial.com](mailto:info@texiangeospatial.com)

FOLLOW US



Authorized Reseller

[www.texiangeospatial.com](http://www.texiangeospatial.com)

# 2024 SCAUG GISP Checklist

## Regional SCAUG Conference 2024 GISP Credit Checklist

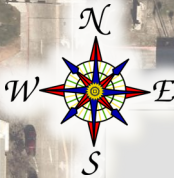
Class Initial Recert Credits  
GISP GISP Earned

Training / Workshops (4 hour) (Certificate required for documentation credit.)				
101.Esri: Investigating GeoAI With ArcGIS	EDU	4 hrs	4 hrs	
102.John May: Introduction to SQL for Enterprise Databases	EDU	4 hrs	4 hrs	
103.New Edge Services: Understanding Standard ArcGIS Enterprise Configurations	EDU	4 hrs	4 hrs	
201.Esri: More Than ArcGIS Online Fundamentals	EDU	4 hrs	4 hrs	
202.David Allen: Essential Arcade	EDU	4 hrs	4 hrs	
203.Bad Elf: Advanced Field Data Collection Methods and Practical Applications	EDU	4 hrs	4 hrs	
301.Esri: Transitioning to ArcGIS Pro	EDU	4 hrs	4 hrs	
302.John May: Advanced SQL for Enterprise Databases	EDU	4 hrs	4 hrs	
303.Tim Nolan: Efficiency & Management Hacks; Building Humane Systems	EDU	4 hrs	4 hrs	
401.Esri: What's New in ArcGIS Pro 3.0	EDU	4 hrs	4 hrs	
402.David Allen: Advanced Arcade	EDU	4 hrs	4 hrs	
402.Allterra Central: Working with ArcGIS Pro 3.0	EDU	4 hrs	4 hrs	

SCAUG Conference Participation (8 hour)				
Attendee (Attendee 8 hrs/full day attended)	EDU	2 day	2 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	
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 membe rship	3 pnt/yr of membe rship	
Total GISP Points Earned				



**REGISTRATION**



ERUDIA BUSH BASS

ESRI HOLL RESTROOMS BUSINESS CENTER FRISCO CVB

Registration Desk Conference Center

RESTROOMS

FRISCO 7

FRISCO 6 Sessions 5 4 3

FRISCO 8

FRISCO 2

FRISCO 9

FRISCO 1

RESTROOMS

RESTROOMS

**SESSIONS**



**EXHIBITOR SOCIAL**  
Weds. 5 - 8 PM

Meet & Greet in Atrium

RESTROOMS

Hotel Tower

**EXHIBIT HALL**

Weds 9 AM - 8 PM  
Thurs 8 AM - 4 PM

Visit Exhibitors  
SCAUG Games  
Map Gallery



**MEET & GREET SOCIAL**  
Tues.  
5 - 8 PM  
1st Fl. Atrium



# ALLTERRA™

Your Mapping & GIS Specialists



*Trimble  
TDC600,  
Catalyst  
Decimeter,  
DA2 w/1-year  
TerraFlex  
Advanced*



 **Trimble.**  
Authorized Dealer

Handhelds with GNSS    Receivers    Antennas  
Data Collectors    Software    Accessories  
Catalyst    GeoSLAM    Juniper Systems    TruPulse

**SALES    RENTAL    SERVICE    SUPPLIES**

AUSTIN    DALLAS-FT. WORTH    HOUSTON    MCALLEN    MIDLAND/ODESSA    SAN ANTONIO  
OKLAHOMA    NEW MEXICO    ARIZONA

Visit [allterracecentral.com](http://allterracecentral.com)  
or call 877-309-4099