

ILGISA 2025 ANNUAL CONFERENCE SESSION & WORKSHOP DESCRIPTIONS

MONDAY, OCTOBER 20TH, 2025

9:00 AM – 10:10 AM SESSIONS

Advancing in GIS: A Mid-Career Conversation

Time: 9:00am - 10:10am

Location: Getz

Intended Audience: GIS User, Student, Management

Skill Level: Beginner, Intermediate

Get some perspective! This panel will include a handful of GIS professionals, talking about what it's actually like to work in the industry. Come hear the conversation, and bring a question of your own!

Dan Bartlett, Cook County

Management Tips from Pixar: Leadership Lessons with Woody, Sully & Friends

Time: 9:00am - 10:10am

Location: Coltrane

Intended Audience: GIS User, GIS Instructor, Management

Skill Level: Beginner, Intermediate, Advanced

Managing a GIS team can sometimes feel like herding sentient toys, navigating emotional rollercoasters, or trying to keep a superhero family from imploding-all before your second cup of coffee. In this session, two GIS managers dive into the surprisingly deep well of management wisdom hidden in Pixar's animated masterpieces. With humor, heart, and just a touch of cartoon logic, we'll explore how animated characters can teach us real-world lessons about communication, teamwork, motivation, and the occasional urge to dramatically jump out a window during a tough day. Expect laughs, relatable moments, and a few surprising pieces of good advice you can use with your team the next day.

Micah Williamson, Maurer-Stutz, Inc

Hunter Ray, Cloudpoint Geospatial

Getting More Value from Your Parcel Data

Time: 9:00am - 10:10am

Location: Arcadia

Intended Audience: GIS User, GIS Builder, Management

Skill Level: Beginner

Maintaining parcel data is a critical function of local government. But what can you do with the data you manage? How can you get more value from this rich dataset? This session will showcase two configurable ArcGIS Solutions that reveal trends and help organizations plan for the future. The Parcel Value Analysis solution visualizes key property characteristics, discovers neighborhood patterns, analyze sales ratios, and identifies outliers and inequities. The Agricultural Parcel Analysis solution helps organizations meet their statutory responsibilities by discovering, listing, and valuing agricultural properties based on size, land use, and soil type. This will be a collaboration with Will County who will talk about their work deploying the solution

Elizabeth Greaves, Esri

Greg Johnson, Will County

From Elevation to Hydrography: USGS Programs to Provide Data Access and Build Partnerships

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, GIS Developer, Student, Management, Other

Skill Level: Beginner, Intermediate

To respond to growing needs for high-quality elevation data, the goal of the 3D Elevation Program (3DEP) is to complete acquisition of nationwide lidar (IfSAR in Alaska), providing the first-ever national baseline of consistent, high-resolution, topographic elevation data. Lidar point clouds, digital elevation models (DEMs), and metadata can be accessed several ways, including The National Map Downloader or from the USGS LidarExplorer. Additionally, 3DEP data can be accessed and manipulated from the cloud by streaming the data directly into GIS software, such as QGIS, or as part of a Point Data Abstraction Library (PDAL) workflow. USGS is building on decades of experience from developing and managing the National Hydrography Datasets (NHD) to establish the 3D Hydrography Program (3DHP) to completely refresh the Nation's hydrography data and improve discovery and sharing of water-related data. USGS has published guidance on how to use DEMs derived from 3DEP Quality Level 2 or better lidar to generate elevation-derived hydrography. This presentation will demonstrate how to access 3DEP data, highlight the value of PDAL for cloud-based data processing, provide an overview of 3DHP, and review how non-Federal organizations are participating in data acquisition for both programs.

Cyndi Rachol, USGS National Geospatial Program

Reenvisioning Crowd Sourcing for Problem Reporting

Time: 9:00am - 10:10am

Location: Private Dining Room

Intended Audience: GIS Builder, GIS Developer, Management

Skill Level: Intermediate, Advanced

Have you ever wanted to create a crowd sourcing problem reporter that is customized and expandable to the specific needs of your organization? Or perhaps your organization has outgrown the functionality of the Citizen Problem Reporter ArcGIS Solution. Both of these happened in Danville which led to me developing our own crowd sourcing solution. This presentation explains the primary steps used to complete the in-house build of Danville's 2025 citizen problem reporter. It will cover topics such as feature class design, Survey123 Connect, record processing using Python, ArcGIS Online Arcade, Experience Builder, and a fully developed Site. By using a combination of standard Esri products, and without the need for additional cost, a robust solution was created that suits the current and future needs of Danville's citizens and staff.

Adam Aull, City of Danville

MONDAY, OCTOBER 20TH, 2025

10:30 AM – 11:40 AM SESSIONS

Measure Up: Leveraging UAS for Accurate Stockpile Monitoring

Time: 10:30am - 11:00am

Location: Getz

Intended Audience: GIS User, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate, Advanced

Unmanned Aircraft Systems (UAS) have revolutionized the way many counties and municipalities approach stockpile volume estimation, offering a highly efficient, accurate, and cost-effective solution to traditional manual and hazardous survey techniques. This presentation explores the end-to-end process of utilizing UAS technology to calculate stockpile volumes, focusing on the technical, operational, and regulatory aspects critical to success. The importance of flight planning, including optimal altitude, overlap, flight path design, and camera settings will be highlighted to ensure data accuracy and efficiency. Key considerations for establishing reliable survey control, such as ground control points and real-time kinematics, will also be discussed. Whether you are new to UAS technology or looking to enhance your existing workflows, this session will provide actionable knowledge and best practices for integrating UAS into stockpile volume estimation projects with confidence and precision.

Tyler Kaebisch, Ayres

Analysis of January 2025 Southern California Wildfires Using Remote Sensing Techniques and Geographic Information Systems (GIS)

Time: 10:30am - 11:00am

Location: Coltrane

Intended Audience: GIS User, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate, Advanced

In January 2025, wildfires erupted in Southern California, impacting the Pacific Palisades and Eaton areas of Los Angeles County. These fires heavily impacted areas physically, socially, and economically. With advancements in thermal sensing technology, remote sensing techniques have become critical for wildfire analysis. GIS is now essential for analyzing remote sensing data and helps in understanding fire behavior. Consequently, the wildfires in these regions were studied using methods to (1) assess damaged areas, (2) identify factors influencing wildfire vulnerability, (3) monitor real-time air quality and smoke dispersion, and (4) estimate burned areas. With the above objectives, geospatial data, including satellite imagery, Digital Elevation Models (DEM), Land Cover raster, air pollutant data, and smoke plume data, were collected. The DEM and Land Cover data were used to create a Fire Risk Index, helping predict vulnerable areas where fires may originate and spread. Air quality data from January 2025 helped demonstrate harmful environmental effects, while smoke dispersion data showed how remote sensing warrants real-time fire monitoring. Post-fire damage analysis specified on burned and structurally damaged areas to evaluate fire severity. Results showed that steeper slopes are more vulnerable to fire spread than flatter slopes, although slope does not solely cause fires. Overall, the movement of fires is heavily driven by topography. The monitoring of wildfires showed that meteorological conditions and air quality data help dictate public health decisions and efficiently distribute resources. Post-fire assessment of structural damage and burned areas supports rehabilitation planning and a solid approach to assessing long-term damage.

Sara Fitzgibbon, Michigan Technological University

Finding the Value in Open Data

Time: 10:30am - 11:00am

Location: Arcadia

Intended Audience: GIS User, GIS Builder, GIS Developer, Student, Management

Skill Level: Beginner

Are you considering an open data program, or do you have one and are struggling to find the value in it? Naperville started an open data program in 2016 with much fanfare, but not much in the way of results. Come learn about how the Naperville program has evolved over the years into an ESRI-driven, effective program that generates tangible impact for the organization.

Phil Watson, City of Naperville

Email Will Kill Us All

Time: 10:30am - 11:00am

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner

What started as a helpful tool is now a never-ending stream of "just checking in" messages, reply-all threads, and to-do lists disguised as unread emails. In this talk, we'll explore how email overload is burning us out, why using your inbox as a task manager is a terrible idea, and how there are way better ways to manage projects and communicate with your team. It's time to stop drowning in our inboxes and start working smarter. Spoiler: email isn't going away, but it doesn't have to run your life.

Micah Williamson, Maurer-Stutz, Inc

State Parcels Panel

Time: 10:30am - 11:40am

Location: PRIVATE DINING ROOM

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate, Advanced

The panel discussion will be geared toward building a statewide parcel layer program. Our goal is to bring together a working group of stakeholders to establish a framework for sharing parcel data statewide.

Mark Yacucci, Illinois State Geological Survey

John Mellor, Illinois Department of Transportation

Beyond the Classroom: Engaging Students in Experiential Learning with Drone Technology

Time: 11:10am - 11:40am

Location: Getz

Intended Audience: GIS User, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate, Advanced

As the GIS field rapidly integrates drone technology into professional practice, the need for a well-prepared workforce has never been greater. This presentation highlights Harper College's experiences engaging students through experiential learning in drone technology as part of a growing GIS and Uncrewed Aircraft Systems (UAS) program. A partnership between Harper College's GIS/Drone Technology and Biology Departments and industry partners has created opportunities for students to gain hands-on experiences with drone operations, mission planning, and data analysis in real-world projects working with industry partners. This session will share lessons and strategies for creating meaningful student learning opportunities that create positive outcomes both students and employers and highlight how community colleges can serve as partners in workforce development by equipping students with the skills, problem-solving abilities, and knowledge required in today's evolving drone and GIS landscape.

Mukila Maitha, Harper College

Crystal Peirce, Harper College

Illinois LiDAR Data and Aerial Imagery - New Collections and Future Plans

Time: 11:10am - 11:40am

Location: Coltrane

Intended Audience: GIS User

Skill Level: Beginner, Intermediate

Since the Fall of 2024, new LiDAR data has been collected for 41 Illinois counties with federal monies. These data will be delivered over the Winter and into the Spring. Additionally, the long-awaited E911 leaf-off aerial imagery, acquired in 2023 through 2024, has recently been delivered. This presentation will give a brief preview of these data collections and explain how users will be able to access them. I will also dive briefly into the topic of potential future LiDAR data acquisitions for our state and any related funding constraints.

Matthew Jefferson, Illinois State Water Survey

Data Governance

Time: 11:10am - 11:40am

Location: Arcadia

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate, Advanced

Technology has forced more and more organizations to transition into the digital age to manage data. This is especially true in utility, public works, and local government sectors that are left with no choice but to evolve towards using decision based tools and data. Data governance represents the core of this migration. By definition, data governance helps ensure that data is usable, accessible, and protected. Data governance leads to improved data quality, decreased data management costs, and increased access to data for all stakeholders. The result is better decision-making and better business outcomes, leading to increased cost savings and better service to customers. A complete Data Governance Program includes developing strategies, policies, procedures, standards, measurement, monitoring, and ultimately

establishing communication amongst all your data stewards and owners. It will help you to organize your data and its resources and establish a communications plan to ensure that stakeholders and data owners are maintaining ownership and accountability. It must also align with your organizations mission, objectives, goals, and strategy. This presentation defines the best practices to establish a Data Governance Program. It will also provide examples of how Data Governance has been established for organizations like the Public Works Departments of Grand Haven, Michigan and La Porte, Indiana, and how these organizations have begun their data governance journey. Finally, we will discuss how the Data Governance Program has resulted in better decision-making, more efficient workflows, and the continuous improvement of the data, and share examples of how the programs have had lasting and positive effects and set these organizations up to make better decisions.

George Nikokiris, Abonmarche

SharePoint as an Interface for Non-technical Users

Time: 11:10am - 11:40am

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate

The Cook County Bureau of Technology's GIS Division has completed several projects with other agencies and divisions within the county using a SharePoint as the user input for data updates. For many of our users, SharePoint is a familiar platform for uploading files or editing tabular data. Using a SharePoint site avoids the sometimes-steep learning curve that comes with versioned editing within a geodatabase. Using an ETL process, data located in the SharePoint is made accessible in user facing applications. This presentation will focus on how this project came to be, some challenges we faced completing the project, the technical steps required to connect these processes.

Scott Maginity, Cook County Bureau of Technology, GIS Division

Wig Ingente, Cook County Bureau of Technology, GIS Division

Sigfrido Gomez, Cook County Bureau of Technology, GIS Division

MONDAY, OCTOBER 20TH, 2025

1:10 PM – 2:20 PM SESSIONS

Streamlining Fire Hydrant Inspections

Time: 1:10pm - 1:40pm

Location: Getz

Intended Audience: GIS User, GIS Builder, GIS Developer, Management

Skill Level: Beginner, Intermediate

In this presentation I will demonstrate the ways we have streamlined our fire hydrant flushing & inspection process at the City of DeKalb using GIS. After some quick background on the way things were done in the past I will demonstrate and explain how we created a custom mobile application that allows field crews to easily report the results of their inspections. This will include Map Viewer, Experience Builder and various Arcade expressions we used to further increase efficiency. Next, I will show how the results of those inspections are viewed in real-time in a dashboard and used to dispatch crews to fix issues and track progress. Finally, we will discuss the benefits we have realized as a result of deploying this solution.

Chad Bergeson, City of DeKalb

Navigating the Perils and the Pitfalls of Metadata: A Critical Examination of Hydrographic Data Challenges

Time: 1:10pm - 1:40pm

Location: Coltrane

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Management, Other

Skill Level: Beginner, Intermediate

Metadata is critical to the integrity of geospatial data but is often overlooked. As the geospatial industry depends on data-driven analysis and decision-making, a thorough understanding of metadata is essential for appropriate, accurate, and efficient data use. In today's era of democratized data collection and widespread data sharing, ensuring data quality has

become increasingly critical. Hydrographic datasets, for example, require detailed contextual information such as instrument calibration, tidal influences, seasonal changes, and time of data was collected. However, inconsistent, incomplete, or missing metadata, can severely compromise the reliability and applicability of geospatial analyses. This presentation explores the opportunities and challenges of providing robust metadata for hydrological data collected along the Kankakee River in Illinois. The case study is discussed in context of the U.S. Geological Survey's ongoing development of a nationwide 3D Hydrography Program (3DHP), highlighting broad

Dr. Avantika Ramekar, Ph.D., PE-PC

Avantika Ramekar, Prairie Engineers

GIS at Light Speed: 3 Instant Apps Before Your Coffee Gets Cold

Time: 1:10pm - 1:40pm

Location: Arcadia

Intended Audience: GIS User, GIS Builder, Student

Skill Level: Beginner, Intermediate

Pressed for time? These GIS solutions are faster than your coffee break. In this fast-paced, live-build session, I'll race the clock to create three fully functional Instant Apps in just 30 minutes. Using real-world examples-like a Community Portal for the public and a construction manager for public works-you'll see configuration steps in action, explore finished apps, and pick up tips to empower staff and allow the public to self-serve. Walk away ready to save time, boost efficiency, and earn bragging rights as the fastest GIS professional in Illinois.

Megan Ouderkirk, Cloudpoint Geospatial

Let's discuss! Gauging interest in establishing an Illinois Chapter of Women in GIS

Time: 1:10pm - 1:40pm

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate, Advanced

Please join us in an informal discussion regarding a proposal to establish a Women in GIS chapter within the state of Illinois. Our goal is to bring together an inclusive and supportive community of women and allies within the geospatial field with the aim of helping provide a strong network of support, resources, and opportunities to one another as we all attempt to navigate a successful and fulfilling career within this industry. This meeting is open to anyone who wishes to attend regardless of identity or career stage (students are encouraged!). We are open to any and all ideas for how we would like this chapter to look, and are excited to discuss this future prospect with you!

Sarai Hernandez, Kendall County GIS

Katie Niermann, Kendall County GIS

Utilizing Governmental GIS Data to Efficiently Issue Oversize / Overweight Vehicle Permits

Time: 1:10pm - 1:40pm

Location: Private Dining Room

Intended Audience: GIS User, GIS Builder, GIS Developer, Management

Skill Level: Beginner, Intermediate, Advanced

State departments of transportation, motor vehicles or local governments issue oversize/overweight (os/ow) vehicle permits for commercial vehicle operators to move os/ow loads or vehicles. Depending on state or local regulations, vehicle operators are required to obtain an os/ow permit before moving or transporting loads in each state. Various stakeholders in state and local government access and utilize data to review and evaluate permit application details. State or local bridge divisions, maintenance, construction, traffic, state police, highway patrol, permit offices, finance and/or accounting may use a state's permitting & routing solution. Commercial vehicle operators, trucking companies and permit service companies will also access a state's solution to complete their os/ow permit applications. Issued permits vary by state but range from 20,000 to 300,000+ issued permits per year. These permits are important for a state's construction, manufacturing, and agricultural industries. By incorporating a state or local government's data into one central solution, all users (industry, states and local) have a streamlined system for submitting and reviewing applications. Data input into a permitting & routing solution may include:€ National Bridge Inventory (NBI) data with structure clearances and location data€ Structural engineering bridge models for load analysis€ Maintenance and construction restrictions€ GIS linear

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referencing system (LRS) road centerlines and Highway Performance Monitoring System (HPMS) attributes. By incorporating data in one central permitting & routing solution, users can efficiently issue oversize/overweight vehicle permits and analyze valuable data for planning or maintenance efforts.

Brian Young, Bentley Systems

Using ArcGIS Mobile Apps to Control Invasive Species

Time: 1:50pm - 2:20pm

Location: Getz

Intended Audience: GIS User, GIS Builder, GIS Developer, Management

Skill Level: Beginner, Intermediate, Advanced

The Lake County Forest Preserve District manages more than 30,000 acres of diverse habitat in northeastern Illinois and is challenged to restore these habitats and control invasive species that have already invaded and reduced the quality of these areas. With the help of ArcGIS Mobile Apps including ArcGIS Field Maps and ArcGIS Survey123 the District has streamlined our ability to manage our habitat restoration activities by staff, volunteers and contractors through location sharing, surveys and web maps.

Nick Spittlemeister, Lake County Forest Preserves

Crash Course: Mapping the Road to Safety

Time: 1:50pm - 2:20pm

Location: Coltrane

Intended Audience: GIS User, Management, Other

Skill Level: Intermediate

As communities strive toward Vision Zero and other ambitious safety goals, data-driven decision-making has become essential in prioritizing investments and interventions. This presentation explores how Geographic Information Systems (GIS) can be used to develop comprehensive Safety Action Plans, with a focus on identifying High Injury Networks (HINs) and conducting systemic safety analyses to prevent future crashes before they occur. Using real-world case studies, we will demonstrate how GIS tools enable planners, engineers, and policymakers to analyze crash data spatially and temporally, overlay demographic and equity indicators, and identify patterns that traditional analysis methods may overlook. The presentation will showcase how spatial analytics can reveal systemic risk factors – such as roadway design features or land use characteristics – that contribute to severe injuries and fatalities across a transportation network. We will also discuss how incorporating HINs into Safety Action Plans allows for targeted, cost-effective interventions, particularly in underserved communities disproportionately impacted by traffic violence. Attendees will learn how to move beyond reactive strategies toward a proactive, systemic approach that prioritizes equity, transparency, and accountability. Whether you're a GIS analyst, transportation planner, or public safety advocate, this session will provide actionable insights and tools to harness the power of GIS in building safer, more inclusive streets. Join us to explore how spatial analysis is transforming roadway safety from reactive response to predictive prevention.

Peter Dirks, SRF Consulting Group

Elisa Shapson, SRF Consulting Group

Top Secret GIS

Time: 1:50pm - 2:20pm

Location: Arcadia

Intended Audience: GIS User, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate

Come to this presentation and you'll go on a wild ride of firsthand stories from the front lines of a little-known geospatial dogfight that has gone on since 9/11. From big planes flying into big buildings, to the National Military Command Center that sits in a highly classified space beneath the Pentagon, you'll come to understand what's hype, and what's the real deal when it comes the importance of sharing geospatial data you might otherwise think is of marginal value. Toss into this mix the August 2025 termination of the Homeland Infrastructure Foundation-Level Data (HIFLD) Open Data program and you're off on a one-time good deal adventure presented by a retired Navy Captain who brashly claims to know where all the bodies are buried.

Stephen Swazee, SharedGeo

Hold On To Your Pearls, Grandma, We're Switching to OSM!

Time: 1:50pm - 2:20pm

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other

Skill Level: Beginner

Authoritative data is a big part of the OSM ecosystem, but most of that data lives in a silo. What if it were different? What if the authoritative data was managed directly in OSM? Or even exclusively in OSM? At Kendall County, we are doing just that. All the centerlines, all the addresses, and not a silo in sight!

Meagan Briganti, Kendall County

Decatur's Tri-Annual Neighborhood Condition Survey

Time: 1:50pm - 2:20pm

Location: Private Dining Room

Intended Audience: GIS User, GIS Builder, Student, Management

Skill Level: Beginner, Intermediate, Advanced

Beginning in 2019, the City of Decatur has conducted an in-house survey of the condition of its urban core neighborhoods. In 2025, the third such survey was conducted. This survey has been a crucial decision-making tool for City management and elected officials. It is also used to inform the public about progress towards neighborhood revitalization. GIS is used to collect, analyze, and report on the data. This session will discuss the important role GIS plays in this survey, including the specific tools used, how the survey was collected and monitored. This session will highlight an important, though often overlooked, use of GIS in local government: supporting community revitalization.

Seth Stark, City of Decatur, IL

MONDAY, OCTOBER 20TH, 2025

2:30 PM – 4:00 PM WORKSHOPS

Field Data Collection Using High-Accuracy GNSS & ArcGIS Field Maps

Time: 2:30pm - 4:00pm

Location: Getz

This session will focus on best practice for GPS configurations when using high-accuracy GNSS, with an emphasis on understanding coordinate systems, spatial references and validating GPS positioning. We will also cover techniques to customize ArcGIS Field Maps with Arcade Expressions for automating field data collection. We will have a field exercise if weather permits.

Tom Krohn, Seiler Geospatial

How to Get Your First GIS Job... or Your Second... Panel Session

Time: 2:30pm - 4:00pm

Location: Private Dining Room

Intended Audience: Student

Skill Level: Beginner

Michael Kamin, City of Batavia

Unraveling the Secrets of Business Analyst

Time: 2:30pm - 4:00pm

Location: Arcadia

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner

In case you haven't heard, ArcGIS Business Analyst Web App Standard is now included as part of the Creator user type or higher. This unlocks a whole new set of capabilities and data for organizations to explore and use to support their work. This workshop will provide an overview of these tools and capabilities along with exercises to give you a hands on experience with Business Analyst.

Nate Rock, Esri

Python IDE vs. Text Editor: Boosting Productivity and Debugging Efficiency

Time: 2:30pm - 4:00pm

Location: Ellington

This workshop explores the advantages of using a Python Integrated Development Environment (IDE) compared to a basic text editor. We'll discuss how IDEs can streamline coding, improve debugging, and enhance overall productivity. While the session is designed with GIS professionals who use Python in mind, beginners and anyone interested in getting started with Python will also find it valuable.

Burt McAlpine, JULIE

Intro to Drones and Photogrammetry (The low cost, open source way)

Time: 2:30pm - 4:00pm

Location: Private Dining Room

Intended Audience: GIS User, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate

This workshop is inspired a paper I wrote for the Illinois Archaeological Survey Jeanette Stephens Student Paper submission (<https://ilarchsurv.org/news/13378365>). The paper focused on low cost and open source drone comparison to high end drone and costly post-processing data software. The comparison provided an insight that low cost drones are still a worthy consideration if individuals are restricted by budget but would like orthomosaics of higher quality or more frequent time intervals than satellite imagery. In this workshop I will present some brief information regarding price points, requirements to fly drones and software options. I will have pre-collected data that will be uploaded and shared through cloud. Participants in the workshop will be able to use open source software to create orthomosaic and import it into QGIS (or ArcGIS Pro if they wish).

Sylvia Angelova, Kendall County

TUESDAY, OCTOBER 21ST, 2025

9:00 AM - 10:10 AM SESSIONS

Dusty Shelf to Digital - Bringing Chicago Landmark reports new life using StoryMaps

Time: 9:00am - 10:10am

Location: Getz

Intended Audience: GIS User, Student, Management

Skill Level: Beginner, Intermediate

The City of Chicago's Landmark Ordinance allows for the designation of individual landmarks and larger districts to preserve their history and protect them from demolition. Public awareness of these landmarks might be limited to glimpsing a bronze plaque in passing with a date of construction, an architect's name, and a two-sentence summary of a much larger history. The Historic Preservation Division of the City's Department of Planning and Development conducted a 2-year outreach initiative to better understand the sites and stories Chicagoans felt best represented their communities. Another aspect of that work asked locals how those stories and sites might be celebrated. Feedback emphasized a "meet them where they are" approach, encouraging the City to explore digital platforms. From there, the City issued a task order request to its pool of consultants to enhance a pre-existing landmarks map using new tools and methods that are both

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dynamic and user-friendly. The stated target audience was members of the public accessing map content via personal mobile devices while visiting a neighborhood. The result was a first round of StoryMaps that converted hard-copy report documents — some dating to the early 1970s — into mobile-friendly narratives with updated imagery, video clips, and audio recordings of first-person oral histories. By simply repackaging the original research, the project has allowed the City to better disseminate public information and encourage D.I.Y. tours to landmarked sites by bringing engaging StoryMaps to constituents' fingertips.

Eiliesh Tuffy, City of Chicago

Alec Van Patten, UIC, Master of Urban Planning & Policy Program

Urban Narratives: Crafting Stories Through Data and Cinematic Media

Time: 9:00am - 10:10am

Location: Coltrane

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate, Advanced

Bonny McClain, Geospatial Data Scientist, Storybuilder and Author

Enhancing Mobile Workflows with the new ArcGIS Field Maps Tasks

Time: 9:00am - 10:10am

Location: Arcadia

Intended Audience: GIS User, GIS Builder, Management

Skill Level: Beginner

Learn about the new Task coordination capabilities available now in Field Maps. Slated for inclusion in a late 2025 update, Field Maps Tasks enable users to create dynamic and actionable to-do lists to streamline field operations.

Nate Rock, Esri

Strategies for Language Support in Browser-based Applications

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate, Advanced

The Cook County Bureau of Technology's GIS Division has made accessibility of its applications a cornerstone of development. One aspect of this is including language selection, particularly Spanish language support. Over the years we have tried a multitude of strategies to accommodate English and Spanish users. We will discuss translation methods using side-by-side translation, using parallel translated applications, the Language Switcher in ArcGIS Instant Apps, and custom solutions. Join us we discuss our failures, successes, and curious approaches to translate our applications.

Scott Maginity, Cook County Bureau of Technology, GIS Division

Sigfrido Gomez, Cook County Bureau of Technology, GIS Division

Mapping Illinois in High Definition

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, Management

Skill Level: Beginner, Intermediate, Advanced

EagleView's new 1-inch resolution imagery is setting a new standard in aerial data; offering unmatched clarity, accuracy, and actionable detail. In just five minutes, we'll explore how this ultra-high-resolution imagery empowers Illinois GIS teams to detect change, support workflows, enhance tax assessment workflows, and strengthen planning decisions. Whether you're mapping urban infrastructure or managing rural assets, come see how seeing more means doing more.

Brooke Miller-Wagemann, EagleView Technologies (Bothell, WA)

The IL Hydro Project: Providing Multiscale Hydrography Data for the Masses

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, GIS Instructor, Student

Skill Level: Beginner, Intermediate

The availability of multiscale hydrography data is becoming increasingly important for a wider range of data consumers. As data size and complexity increases so to does the computing power and skills necessary to process this hydrography data. This puts casual consumers of data at an increasing disadvantage. It is the goal of the IL Hydro Project to provide hydrography data for the state of Illinois at multiple levels of detail to strengthen the ability of the lay person to engage with the geography of their state and produce maps relevant to their individual purposes. The IL Hydro Project accomplishes this by providing seven initial levels of detail containing the attribution needed to enable the user to further customize the provided feature layers to suit their purposes. While there are generalized hydrography datasets available for the state of Illinois, in many cases they lack key aspects important to data consumers, such as attribution, a wide variety of levels of detail, or the ability to further select features relevant to the consumer. The IL Hydro Project uses a workflow capable of being widely applied to any NHDPlus dataset to create a repository of multiscale data. The IL Hydro Project contains attributes that enable users' greater ability to select and filter data to suit their needs. The feature layers produced by the IL Hydro Project also enable the preservation of main stems during the filtration process.

Cameron Clark, Eastern Illinois University

Mapping Stormwater Infrastructure Investment in Chicago

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, Student, Other

Skill Level: Beginner, Intermediate

In Chicago, a city which is uniquely affected by urban flooding due to a number of complex factors, residents and businesses in South Side and West Side communities are disproportionately burdened by stormwater damage relative to other community areas. However, city initiatives which seek to address the deluge such as the Green Alley program are often most concentrated in areas which are not where the issue of flooding is most intensely in need of amelioration. This study investigates the distribution of stormwater infrastructure funds across Chicago's neighborhoods, with the aim of elucidating where the city funding is flowing, and how investment inequities are connected to exacerbation of flooding.

Elyse Cooke, Illinois Institute of Technology

Tracking Abandoned Mine Land Hazards in Illinois (Part 1 & 2)

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Instructor, Student

Skill Level: Beginner, Intermediate

As part of our collaboration with the Illinois Department of Natural Resources (IDNR), the Illinois State Geological Survey has developed a comprehensive digital system to report and track abandoned mine land hazards throughout Illinois. Utilizing ArcGIS Survey123, we designed an intuitive form enabling both field staff and the public to submit detailed mine-related hazard reports, including site description, photos, and location data from GPS or map-based boundary drawings. The form features an integrated impact assessment to evaluate the severity of each report, and Microsoft Power Automate triggers immediate email notifications to the responsible team for high-impact cases, while automatically providing users with a PDF record of their submission. Additionally, using ArcGIS Dashboard, we created an interactive front end that displays real-time reports, allowing IDNR staff to filter and analyze the submitted data by location, hazard type, and impact level, with conditional formatting powered by Arcade expressions. This integrated solution streamlines data collection, visualization, and prioritization, ultimately enhancing decision-making, communication, and the overall management of abandoned mine lands.

Saad Baloch, Illinois State Geological Survey

Sunita Mahat, Illinois State Geological Survey

Survey 123 and Dashboard for Environmental Health usage

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate

This lightning talk will show a brief walkthrough of Survey 123 for data collection and translating the data to arcgis dashboard, where end users, in this case the Health and Human services in Kendall County are able to use the collected information to direct their immediate attention to the most pressing community concerns as shown through the Community Health Improvement Survey. The survey aids the department in creating a health improvement plan.

Sylvia Angelova, Kendall County

ASCII Art Fun with ArcGIS Pro

Time: 9:00am - 10:10am

Location: Ellington

Intended Audience: GIS User

Skill Level: Beginner

With ArcGIS Pro's ever expanding cartographic toolkit the only limit is your imagination. In the spirit of nostalgic fun, see how to use this cutting-edge software to make maps that look straight out of a 1980's MSDOS Roguelike dungeon crawler game. Behold a surprisingly readable map limited to 80 columns and 25 lines of ASCII characters!

Roger Bannister, RAB Geospatial LLC

Emerging Professionals Panel

Time: 9:00am - 10:10am

Location: Private Dining Room

Intended Audience: Student

Skill Level: Beginner

Adam Aull, City of Danville

TUESDAY, OCTOBER 21ST, 2025

10:30 AM - 11:40 AM SESSIONS

The City of Geneseo Flips the Switch on Power Outages with ArcGIS

Time: 10:30am - 11:00am

Location: Getz

Intended Audience: GIS User, GIS Builder, Management

Skill Level: Intermediate

The city of Geneseo, Illinois, in collaboration with Cloudpoint Geospatial, is providing a GIS-based solution to display and monitor where and when power outages occur, while enabling public engagement with a map viewer and form for citizens to communicate unreported power outages. Attendees will learn how the City Electric Department staff utilizes ArcGIS apps and dashboards to monitor and convey outage information, and how citizens participate during an outage event.

Matthew Junker, Cloudpoint Geospatial

Water Utility Network Implementation

Time: 10:30am - 11:00am

Location: Coltrane

Intended Audience: GIS User, GIS Builder, GIS Developer, Management

Skill Level: Beginner, Intermediate

Discuss implementation of Esri utility network for water utility, tips, lessons learned.

Crystalyn DelaCruz, Village of Schaumburg

Mike Bledsoe, Village of Schaumburg

ILGISA reserves the right to modify the workshops, sessions, and speakers

From Requests to Results: Transforming GIS Dashboards into Strategically Aligned Tools

Time: 10:30am - 11:00am

Location: Arcadia

Intended Audience: GIS Builder, Management

Skill Level: Intermediate

Local government GIS teams are often approached with operational requests—“build me a map,” “track this asset,” “show me where the work orders are.” While these deliver immediate value, the real opportunity lies in elevating these tools to support strategic goals and secure executive buy-in. In this session, we'll explore how to transform a dashboard from a tactical, request-driven deliverable into a strategically aligned decision-making tool. Using the example of the Town of Normal's “Parks Report Card Dashboard” developed to track park amenity conditions, we'll walk through how this asset tracking tool can become a performance indicator-driven tool to share with the public. You'll learn how to: Identify any existing government's strategic or/and comprehensive plans. Ask the right questions during dashboard consultations to uncover true organizational goals. Parse out operational metrics to highlight pain points, justify investments, and inform budget decisions. By repositioning GIS as an organizational decision-informing tool rather than just a technical service, you'll strengthen your role, secure leadership engagement, and open doors for further strategically aligned projects. Whether you manage a large GIS team or wear multiple hats in a small jurisdiction, you'll leave with practical strategies and question sets to make your GIS dashboards not just useful-but mission-critical.

Sara Schelinski, Town of Normal, IL

Weathering the Storm - Rainfall & Flood Monitoring at the City of Naperville

Time: 10:30am - 11:00am

Location: Ellington

Intended Audience: GIS User, GIS Builder, Management

Skill Level: Intermediate, Advanced

Monitoring rainfall and river height data can be crucial during and following periods of heavy precipitation. Being able to effectively communicate this data can be the difference between being prepared or being caught by surprise. Using data from rainfall and river height gauges, the City of Naperville monitors rainfall totals across the city and tracks DuPage River height levels at several bridges. This presentation will explore how a basic data sharing request from an outside entity transformed into an array of tools (ArcGIS Hub, Dashboards, Open Data, and Power BI) that provide timely information to both internal staff and the public.

Kevin Steltzriede, City of Naperville

Phil Watson, City of Naperville

The Making of the Chicago Brownfields Storymap

Time: 10:30am - 11:00am

Location: Private Dining Room

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner

The US EPA Brownfields program provides grants and technical assistance to communities, states, tribes and others to assess, safely clean up and sustainably reuse contaminated properties. Come hear about the process to develop and build a storymap with amazing before and after photos of redeveloped sites, working with EPA staff and grantees, digging through archives and shepherding the storymap through EPA's publication approval process. The Chicagoland and Northern Illinois Brownfields storymap was recently featured at the National Brownfields Conference in Chicago in August 2025, and you can see it now at <https://storymaps.arcgis.com/stories/059a4923062e4cdf9097024182815218>.

Lucy Stanfield, US Environmental Protection Agency

Mapping a Vision for Pay Equity for Illinois Workers with Disabilities

Time: 11:10am - 11:40am

Location: Getz

Intended Audience: GIS User

Skill Level: Intermediate, Advanced

In January 2025, Illinois Governor JB Pritzker signed the bipartisan Dignity in Pay Act to phase out subminimum wages for workers with disabilities. During the 5-year phase out period, the Employment and Economic Opportunities for People with Disabilities Taskforce will consider strategies that aim to increase access to competitive integrated employment, and in turn, competitive wages. Focusing on Chicago, this presentation will discuss 1) the Local Moran's I analysis used to determine the geographic distribution of untapped human capital across the city, 2) community businesses as a proposed employment strategy, and 3) an initial look at the feasibility of implementing this strategy.

Anita Thomas, The Chicago Lighthouse

Effective Implementation of GIS-Based Solutions for Distribution System Work Order Management

Time: 11:10am - 11:40am

Location: Coltrane

Intended Audience: GIS User, GIS Developer, Management

Skill Level: Beginner, Intermediate

In modern urban infrastructure management, geographic information systems (GIS) play an increasingly vital role in optimizing maintenance, monitoring, and planning for critical utilities such as water systems. Consultants from Abonmarche have worked with the Town of Hebron Indiana on a GIS-based work order management system. It leverages ArcGIS Online apps, offering a robust and efficient approach to managing the maintenance of water networks. This system enhances operations by integrating real-time data collection, spatial analysis, and workflow automation, providing a comprehensive solution for tasks such as valve exercising, hydrant flow testing, leak detection, and mainline repair or replacement. Most importantly, this system is a cost effective means to bringing true work order management to small communities that cannot afford or have the resources for a larger system.

Joe Eberts, Abonmarche

Improving Waste Management Accountability With Quickcapture and Dashboards.

Time: 11:10am - 11:40am

Location: Arcadia

Intended Audience: GIS User, GIS Builder, GIS Developer

Skill Level: Beginner

This presentation will detail the Configuration, implementation and future improvements I would like to make to the workflow. This project came about when the Director of Waste Management approached me about replacing Route Smart, An overly sophisticated software, with something more cost effective. After consulting some colleagues, I decided to use ArcGIS Quick Capture and Dashboard to meet this goal. Through this process we can improve both citizen and driver accountability.

Bradley Brewer, City of East Peoria

The Demography of Flood Vulnerability in Chicago and Neighboring Counties

Time: 11:10am - 11:40am

Location: Ellington

Intended Audience: GIS User, GIS Instructor, Student, Management, Other

Skill Level: Beginner, Intermediate, Advanced

As regional susceptibility to flooding varies spatially, the identification of regions more susceptible to flooding is critical to informing the implementation of stormwater management in urban areas. Moreover, local vulnerability to the negative effects of flooding differs across populations and their socioeconomic characteristics such that identifying regions vulnerable to disproportionate suffering associated with flood risk is a key component in implementing equitable

stormwater management practices. This presentation discusses associations between social vulnerability factors at the census-tract level in Chicago, Illinois and its neighboring counties and a locally derived flood susceptibility index that characterizes flood risk. Data used in this study includes a social vulnerability index (SVI) developed by the Centers for Disease Control and Prevention (CDC) to characterize local social vulnerability factors. Also used in this study is a flood susceptibility index (FSI) recently developed by the Chicago Metropolitan Agency for Planning (CMAP), which relies on reported flood locations and physical characteristics for mapping regional susceptibility to flood hazard, to characterize local flood risk. Results of the study indicate that social vulnerability factors, especially the percentage of limited English speakers and the percentage of the population who are minorities, are associated with increased flooding risk in the region.

Michael Sansone, Illinois Institute of Technology

Cairo, Illinois: Using Sanborn Maps to Analyze the Life of a "Dying" City

Time: 11:10am - 11:40am

Location: Private Dining Room

Intended Audience: GIS User, GIS Developer, Student

Skill Level: Beginner, Intermediate

Planning agencies have begun to incorporate the concept of a Digital Twin, recognizing their ability to visualize spatial trends and processes. Utilizing Sanborn Fire Insurance Maps, this project attempts to further integrate historical modeling into digital twins, giving viewers an unprecedented look into the past and bringing archival maps €~back to life' with GIS! Through this workflow, a 3-D model created showing Cairo in different eras, along with historical zoning maps, and other historical geo-analyses (i.e. food source accessibility).By focusing on Cairo, Illinois, this project shows how historical digital models can visualize the changing urban geomorphology of a city in decline - potentially shedding greater light on the processes at work. Though ostensibly a €~northern city', this research also uses GIS to analyze spatial segregation in the early 1900s by identifying churches, schools, and dwellings identified as African American in the Sanborn maps. These maps can be further enhanced by using local, county, or state historical archives - particularly phonebooks and newspapers - to identify home and business owners in different eras.This will share more about the process of creating 3-D historical models, as well as discussing some of the findings specifically related to Cairo. While the city's national standing has certainly diminished over recent decades, Cairo remains integral to American westward expansion, and it embodied many of the Civil Rights struggles of the 1960s. With this process, GIS can share a unique perspective on urban areas prior to the rise of satellite or aerial imagery.

Griffin S. Thompson, Grand Valley State University

TUESDAY, OCTOBER 21ST, 2025

1:10 PM – 2:20 PM SESSIONS

GIS in a Hybrid GenXYZ World Panel Session

Time: 1:10pm - 2:20pm

Location: Getz

Intended Audience: GIS User, Student, Management

Skill Level: Beginner, Intermediate

The panelists will share the challenges of working in a hybrid work environment, hiring staff and professional development for staff at different skill levels, experience, and roles.

Organized and moderated by: Lucy Stanfield, US Environmental Protection Agency

Panelists: Keith Darby, City of Wheaton & ILGISA President-elect

John Gilmore, Horner & Shifrin

John Mellor, Illinois Department of Transportation

Hunter Ray, Cloudpoint Geospatial

Risk Based Approach to Asset Management

Time: 1:10pm - 2:20pm

Location: Coltrane

Intended Audience: GIS User, GIS Builder, GIS Developer, Management

Skill Level: Beginner, Intermediate, Advanced

The use of a Risk Based Approach to managing assets has increased significantly throughout the Utilities industry over the last decade. Risk-based management has shown to be effective for asset managed systems by using risk to balance the operational performance of assets against the asset life-cycle costs. Expenditures on assets is identified by identifying what risk exposure is acceptable to stakeholders. By identifying what level of risk is acceptable, benchmarking this risk, and taking advantage of industry best practices for capturing data, we can take advantage of data driven decision making tools to get maximum value from our physical assets. Join us as we discuss and demonstrate how we have been able to help our stakeholders identify the cost of maintaining their sewer systems by taking advantage of GIS and the data supporting not just the physical characteristics of assets, but also the political and environmental components to help fully understand and mitigate risk associated with our collection and storm assets.

Jeff Weaver, Abonmarche

GeoAI for Good: Ethical Implications in Crisis Response

Time: 1:10pm - 2:20pm

Location: Arcadia

Intended Audience: GIS User, GIS Builder, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate

The integration of Geographic Artificial Intelligence (GeoAI) in crisis response has unlocked unprecedented capabilities- accelerating disaster mapping, streamlining resource deployment, and enhancing situational awareness. From wildfires to pandemics, GeoAI-driven solutions have become vital tools for decision-makers operating under pressure. Yet, with this power comes responsibility. This panel would explore the ethical dimensions surrounding the use of GeoAI in high-stakes humanitarian contexts. We will examine how algorithms may unintentionally reinforce bias, compromise privacy, or overlook vulnerable populations. Key questions include: Who defines the parameters of "emergency"? How is consent managed when surveillance tools are deployed under the guise of aid? And what role should transparency play in the deployment of predictive analytics? Through real-world case studies and cross-sector insights, panelists will address the ethical trade-offs between speed and scrutiny, efficiency and equity. The discussion will aim to build a framework for "GeoAI for Good"-a responsible approach that acknowledges technological promise while actively mitigating harm. By unpacking these tensions, this panel invites practitioners, ethicists, and technologists to collaboratively shape an ethical roadmap for future GeoAI applications in crisis response.

Taiwo Agbaje, COUNTY OF KNOX

USNG Emergency Location Markers - Speeding Response Times and Saving Lives

Time: 1:10pm - 2:20pm

Location: Ellington

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner, Intermediate

Emergency Location Markers (ELM) based on the U.S. National Grid were developed in Minnesota in response to requests from Search and Rescue teams in the northern part of the state that needed a marking system which would significantly speed up rescues on recreational trails. Now, in addition to multiple locations in Minnesota, significant and well publicized installs can be found in nine states, as well as in heavily traversed locations like the Braves Stadium in Atlanta, Kennedy Space Center, and Kennesaw Mountain Battlefield National Park. This presentation will explain why ELMs are the best solution for recreational trail and park emergency location signage. Also discussed will be the wide range of issues inherent in an installation, from planning to installation, so you can determine if an ELM project is a good choice for your community or club.

Stephen Swazee, SharedGeo

QGIS 201: Creating a Map Layout**Time:** 1:10pm - 2:20pm**Location:** Private Dining Room**Intended Audience:** GIS User, Student**Skill Level:** Beginner

So you need to make a map? Consider QGIS! Besides being a wonderful tool for working with map data, QGIS can also be used to create eye-catching maps. This session will cover the essentials for QGIS's Layout interface and show you how to make a print-ready map.

Joshua Carlson, Kendall County**QGIS 202: Creating a Map Atlas****Time:** 1:10pm - 2:20pm**Location:** Private Dining Room**Intended Audience:** GIS User, Student**Skill Level:** Beginner, Intermediate

*Maybe you don't just need to make a map. Maybe you need to make a *series* of maps? Don't worry, QGIS has you covered! The Atlas tools in QGIS are *incredibly* flexible, and can be used to make all sorts of map books. This session will walk through the process of creating several kinds of atlases in QGIS, from the simple to the moderately complex.*

Joshua Carlson, Kendall County**TUESDAY, OCTOBER 21ST, 2025****2:30 PM – 4:00 PM WORKSHOPS****Let's Learn Arcade!****Time:** 2:30pm - 4:00pm**Location:** Getz**Intended Audience:** GIS Builder, GIS Developer, Student**Skill Level:** Beginner

*If you're an Esri user, you've encountered Arcade. It's *everywhere* now: labeling, symbology, popups, attribute rules, and more. A little know-how goes a long way with Arcade, but it can feel daunting! This workshop will start at the very foundations of Arcade, expanding out from there. Even 90 minutes isn't enough to cover everything, but we'll focus on the most common uses of Arcade, as well as some tips and pitfalls.*

Joshua Carlson, Kendall County GIS**The Road Goes Ever On: A Journey into Experience Builder****Time:** 2:30pm - 4:00pm**Location:** Coltrane**Intended Audience:** GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other**Skill Level:** Intermediate, Advanced

This workshop is designed for GIS professionals who have already mastered the basics of ESRI Experience Builder and are ready to embark on a deeper journey through its capabilities. Together, we will explore intermediate and advanced skills, including dynamic content integration, data-driven visualization, widget customization, advanced expressions, and best practices for building responsive, user-centered applications. Along the way, attendees will discover strategies for performance optimization, deployment, and tailoring apps to specific audiences. By the end of the workshop, participants will be equipped with techniques to venture beyond standard configurations and craft robust, interactive web applications that yield meaningful geospatial insights.

Wendy Leonard, Gewalt Hamilton Associates**Rebecca Joas, Gewalt Hamilton Associates**

ArcGIS + AI: Where to find new capabilities and how to use them

Time: 2:30pm - 4:00pm

Location: Arcadia

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management

Skill Level: Beginner

Today you can find AI techniques across ArcGIS that support a variety of workflows. From AI Assistants powered by large language models, to computer vision, to deep learning workflows, this session will provide insight into how ArcGIS is a geospatial AI platform and how organizations can adapt it for their use. We'll provide an overview of Esri's approach to AI, the products and capabilities available today, and how users of all types (GIS professionals, executives, and the public) can interact with and benefit from these tools.

Elizabeth Greaves, Esri

Drone Data Capture and Data Processing with Pix4D

Time: 2:30pm - 4:00pm

Location: Private Dining Room

Intended Audience: GIS User, GIS Builder, GIS Developer, GIS Instructor, Student, Management, Other

Skill Level: Intermediate

Done data is invaluable in the creation of 2D and 3D models for various applications in the geospatial industry. In this workshop, weather permitting, a drone mission will be demonstrated from the mission planning through the data capture phase. Following the data collection, the data will be processed with Pix4D and outputs created. Attendees will receive various access to resources for drone missions, data capture, and data processing with the industry standard drone data processing platform.

Dr. Rich Schultz, ILGISA