



2019 Missouri GIS Conference

2019 Missouri GIS Conference
April 29 – May 1, 2019



MOGISCON19'
 Conference App



<https://my.yapp.us/MOGIS19>



Detailed conference information including the schedule, presentation descriptions, exhibitors and more can be found on the conference app; scan the QR code to the right.

Conference Schedule At A Glance

Monday, April 29, 2019

7:00 am – 7:00 pm	Registration Opens	Lobby
7:00 am – 8:15 am	Morning Break	Lobby
8:00 am – 12:00 pm	Morning Workshops	<i>(see room listing below)</i>
12:00 pm – 1:00 pm	Lunch On Own	
1:00 pm – 5:00 pm	Afternoon Workshops	<i>(see room listing below)</i>
2:30 pm – 3:00 pm	Afternoon Break	Lobby
6:00 pm – 8:00 pm	Informal Welcome Reception <i>Brats, Burgers, and assorted sides</i>	Conference Room H

Tuesday, April 30, 2019

7:00 am – 5:00 pm	Registration	Lobby
7:00 am – 8:00 am	Continental Breakfast	Grand Ballroom
7:00 am – 8:00 pm	Exhibits Open	Grand Ballroom
8:00 am – 10:00 am	Welcome/Opening Keynote Address Awards <i>Rebecca Sucher, Missouri Botanical Gardens</i> <i>GIS at Missouri Botanical Garden: Supporting Facilities, Plant Collections, and Global Conservation Initiatives</i>	Grand Ballroom
10:00 am – 10:30 am	Beverage Break with Exhibitors	Grand Ballroom
10:30 am – 12:00 pm	Concurrent Session I	<i>(see room listing below)</i>
12:00 pm – 1:00 pm	Luncheon with Exhibitors	Grand Ballroom
1:00 pm – 2:30 pm	Concurrent Session II	<i>(see room listing below)</i>
2:30 pm – 3:00 pm	Afternoon Break with Exhibitors	Grand Ballroom
3:00 pm – 4:30 pm	Concurrent Session III	<i>(see room listing below)</i>
5:00 pm – 8:00 pm	Exhibitor Reception and Poster Session <i>Western Buffet and Beverages Provided</i>	Grand Ballroom

Wednesday, May 1, 2019

7:30 am – 12:30 pm	Registration	Lobby
7:30 am – 8:30 am	Continental Breakfast	Grand Ballroom
7:30 am – 12:30 pm	Exhibits Open	Grand Ballroom
8:30 am – 10:00 am	Concurrent Session IV	<i>(see room listing below)</i>
10:00 am – 10:30 am	Morning Break with Exhibitors	Grand Ballroom
10:30 am – 12:30 pm	Poster Awards / Luncheon	Grand Ballroom
	Closing Keynote Address	Grand Ballroom
	<i>Elizabeth Lyon, National Geospatial-Intelligence Agency</i> <i>GEOINT's, Evolution to Revolution</i>	
12:30 pm	Conference Concludes	

Conference Presentations

Monday, April 29, 2019

	<i>Lobby</i>	
7:00 am – 7:00 pm	Registration Opens	
8:00 am – 12:00 pm	Morning Workshops	
	<i>Conference Room A</i>	
	<ul style="list-style-type: none">• GPU-Accelerated Visualization with MapD	
	<i>Conference Room B</i>	
	<ul style="list-style-type: none">• Drone (UAS) Workshop – Exploring the Potential in GIS Applications	
	<i>Conference Room C</i>	
	<ul style="list-style-type: none">• GIS Success: Processes Crucial to Success	
	<i>Conference Room D</i>	
	ArcGIS Online and Collector with High-Accuracy GPS	
1:00 pm – 5:00 pm	Afternoon Workshops	
	<i>Conference Room A</i>	
	<ul style="list-style-type: none">• Introduction to ArcGIS Pro	
	<i>Conference Room B</i>	
	<ul style="list-style-type: none">• Working with Google Earth Pro and ArcMap	
	<i>Conference Room C</i>	
	<ul style="list-style-type: none">• Extending the Map Series with ArcPy	
	<i>Conference Room D</i>	
	<ul style="list-style-type: none">• Starting a Public Safety / Government Drone Program	
	<i>Conference Room E</i>	

- ModelBuilder or Python?

Tuesday, April 30, 2019

Grand Ballroom

8:00 am – 10:00 am

Welcome / Opening Keynote Address / Awards

GIS at Missouri Botanical Garden: Supporting Facilities, Plant Collections, and Global Conservation Initiatives

Rebecca Sucher, Missouri Botanical Gardens

10:30 am - 12:00 pm

Concurrent Session I

Conference Room A

- GISP Portfolio and Exam Study Tips (30 min)
- STEM Based Apprenticeships for Geospatial Technology Jobs (30 min)
- GIS Managers Panel Discussion (30 min)

Conference Room B

- GIS Specialized for Vector Control in St. Louis County (30 min)
- Using GIS for STI Prevention and Surveillance at a Local Public Health Agency (30 min)

Conference C

- Esri Hands-On Learning Lab

Conference Room D

Lightning Lab

- Introduction to Survey 123 (90 min)
- * ***Please note: You will need a laptop to work along with the presenters. Survey 123 & Microsoft Flow should be installed on your laptop prior to the session.***

Conference Room E

- All Things Missouri: A Platform for Changemakers in Missouri (60 min)
- 2019 MSDIS Update (30 min)

Conference Room F

- Government, Data, and Your Role in GIS (45 min)
- GIS for All: Creating Accessible Content (45 min)

1:00 pm – 2:30 pm

Concurrent Session II

Conference Room A

- ArcGIS Apps for the Field: An Overview (30 min)
- From Paper Maps to Mobile Apps: Using Collector and Dashboards (30 min)
- The National Map Corps Volunteer Editors Go Mobile (30 min)

Conference Room B

- Data Sharing Promotes Utility Coordination (30 min)
- Create Solutions Using Existing GIS Software and Data (30 min)
- Survey 123 for ArcGIS: Advanced Topics (30 min)

Conference C

- Esri Hands-On Learning Lab

Conference Room D

Lightning Lab

- Data Enrichment Using ArcGIS Online and the Living Atlas (1 hour)
* **Please note: You will need a laptop to work along with the presenters. Please have a named user account on ArcGIS Online from your organization or set up a free ESRI Developer account before the lab begins.**

Conference Room E

- Maps to Summarize Sightings of Invasive Aquatic Plants Along Sections of Ohio River (30 min)
- Automated Characterization of Channel and Riparian Structure of Headwater Streams (30 min)
- USGS Update on Geospatial Products and Services (30 min)

Conference Room F

- Hurricane Florence and Michael: Disaster Situational Assessment and Reconnaissance (DSAR) Support (45 min)
- Mobile Field Data Collection with High Accuracy GNSS: You Have Choices (45 min)

3:00 pm – 4:30 pm

Concurrent Session III

Conference Room A

- Efficient Data Collection with Real Time QAQC Using Visual Studio (45 min)
- ArcGIS Pro: Migrating from ArcMap - (45 min)

Conference Room B

- How GIS Interacts with Elections. It's Not Just in the Results (30 min)
- Modernizing Processes for the St. Louis County Election Board Using GIS (30 min)
- Visualizing Economic Data Using GIS (30 min)

Conference C

- Esri Hands-On Learning Lab

Conference Room D

- Using GTFS Data for Analysis of Transit Accessibility for City Utilities of Springfield Transit Services (45 min)
- Public Works Operations (45 min)

Conference Room E

- GIS Modeling of Pollinator Habitat in a Utility's Service Territory (30 min)
- Bridging the Gap Between Citizens and Nature (45 min)

Conference Room F

- Introductions to Turning You LiDar Into Useful Information (60 min)
- NHDPlus High-Resolution Value-Added Attributes (30 min)

Wednesday, May 1, 2019

8:30 am – 10:00 am

Education Session IV

Conference Room A

- The Open Source GIS Movement – Is It Right for You? (60 min)
- GIS and IT Topics – Panel Discussion (30 min)

Conference Room B

- GIS -based Re-Allocation and Validation of Neighborhood SES Measures Facilitating Longitudinal and Multi-level Data Integration for Spatial Epidemiologic Studies (30 min)
- ArcGIS Hub: Getting Started with Open Data (60 min)

Conference C

- Esri Hands-On Learning Lab

Conference Room D

- Using Data Reviewer and Attribute Assistant to Ensure Data Quality (30 min)
- Boundary Descriptions and Why They Don't Fit (60 min)

Conference Room E

- Esri's Community Maps Program (30 min)
- ArcGIS Enterprise: An Introduction (45 min)

Conference Room F

- Increased Efficiency and Fewer Field Visits with Street-Level Imagery (45 min)
- Resolution Revolution: The Future of Aerial Imagery for GIS and Everyone (30 min)

10:30 am – 11:30 am

Grand Ballroom

Closing Keynote Address

Elizabeth Lyon, National Geospatial-Intelligence Agency

GEOINT's, Evolution to Revolution