# 2019 ILGISA Annual Conference – Workshop Details

## WORKSHOPS – TUESDAY, OCTOBER 22nd (1:15PM – 4:15PM)

### 1. Intro to QGIS

QGIS is a free and open-source cross-platform desktop geographic information system application that supports viewing, editing, and analysis of geospatial data. Usable in  Microsoft Windows, Linux, and macOS, it provides a very powerful tool for developing and using GIS type data. Open source support and development has been extensive and is ongoing.   It makes an excellent, easy to navigate starter for learning GIS as well as supporting advanced needs. In this workshop, an introduction will be presented covering basic GIS topics and several advanced capabilities.   It will be expected that attendees will provide their own laptops or similar. (The free software should be preloaded.) Wireless connectivity will be available. Instructional datasets will be provided on USB drives.

**Skill Level:** Beginner, Intermediate

**Instructor:**
- *Laurence Rohter, P.E. is an Adjunct Professor in Civil Engineering at the Illinois Institute of Technology. He had developed IIT's graduate level Introduction to GIS class, and is currently teaching the Geodetic Science and Senior Capstone classes. His specialties are Railroads, Transportation, and Urban Planning.*

### 2. Collector to Survey123 and Back Again

Esri has thrown over 150 different applications at the wall over the past few years. Collector for ArcGIS and Survey123 have stuck. So what do you need to know about them? How can you effectively use them and incorporate your existing GIS? Can they talk to each other? We are all in this together, let's find out. This workshop will look into these applications separately and try to bring them together under one umbrella. Attendees must bring their own laptop's to this workshop, and it's required that you (at least) have an organizational ArcGIS Online account. It's better if you have Arc Enterprise and experience with Arc Pro, and maybe arc welding.

**Skill Level:** Intermediate, Advanced

**Instructor:**
- *Micah Williamson*, Cloudpoint Geographics

### 3. Migrating from ArcMap to ArcGIS Pro

In this workshop, experienced ArcMap users will discover more streamlined visualization, editing, and analysis workflows using ArcGIS Pro. Learn how to migrate existing maps, models and scripts from ArcMap into ArcGIS Pro —often times without any required conversion. Through discussions, demos, and presentation, you will start applying your ArcMap workflows to ArcGIS Pro with ease.  Workshop attendees are required to bring their own laptops.

**Skill Level:** Intermediate, Advanced

**Instructor:**
- *Ryan Sellman,* Solution Engineer, Esri

## 4. ArcGIS Collector & Operational Dashboard Workshop

In some instances, GIS users want the ability to collect data out in the field in a fast and efficient manner. They also want the ability to show their collection results in real-time and in an application that is easy to use and understand. This workshop will show you how to setup such a project utilizing ArcGIS Collector and Operational Dashboard. In this workshop we will go through setting up your data for fast collection using subtypes, domains, relationship classes and attachments within the geodatabase. We will publish this data for field data collection utilizing ArcGIS Collector. When using Collector, we will gather data and practice adding related records & attachments, then submitting the collected data and editing the results while still in the field. Once we have some collected data points, we will come back inside to develop an Operational Dashboard for viewing our data in real time. In setting up the dashboard we will add and configure the various panels - maps list, charts, counters and embedded content. We strongly encourage that you provide your own ArcGIS Online account, mobile device (apple or android) with ArcGIS Collector installed along with a laptop for creation and confirmation of your own "Operational Dashboard".

**Instructor:**

- *Tom Ricker* has been working in the geospatial technology field for 30 years. With 13 years in the private sector and 17 years now in the public sector. In 1989, Tom graduated from Northwest Missouri State University with a BS in Geography. From 1989-1998 he served as the GIS Coordinator for the Village of Frankfort Illinois. From 1998-2006 he was a Project Manager for The Sidwell Company. From 2006-2011 he was the Director of Project Management for The Sidwell Company. And lastly, from 2011- Present he is serving as the GIS Manager for DuPage County.