



AGENDA

10:00 - 10:15am

Introduction and Opening Remarks

Ross Baldwin - Long Island GIS Chairman

10:15 - 11:00

Preparing for Change – New Datums

Daniel J. Martin - Northeast Regional Geodetic Advisor, NOAA/NOS/National Geodetic Survey

NGS will be replacing the US horizontal and vertical datums (NAD 83 and NAVD 88). In this talk I will highlight the major changes and discuss impacts to the geospatial community to include the concept of time dependent coordinates and activities that are being undertaken to ensure a smooth transition to include new State Plane Coordinates.

11:00 - 11:30

Census 2020 Aftermath: Quality Checks and Redistricting

Steven Romalewski - Director, CUNY Mapping Service

Steven Romalewski from the Center for Urban Research at the CUNY Graduate Center will discuss what's next with the 2020 Census: when to expect the data, what to expect regarding the quality of the data (was the count "fair and accurate"?), and how congressional and state legislative districts may need to change during redistricting.

11:30 - 12:00

Long Island GIS and National GIS Activities

Frank Winters - NYS GIO/ NSGIC President

This discussion will provide an overview of the priorities of the National States Geographic Information Council (NAGIC) and further explain how your ideas and your inputs help shape the national agenda. Much of what we collectively aspire to is more efficiently and impactfully accomplished at a national scale than at a regional or state-wide level.

12:00 – 12:30

MS4 Illicit Discharge Detection Investigation using Thermal Imaging UAVs (Drones)

Scott Harrigan - Harkin Aerial & Ted Nitza - Walden Environmental

Using Unmanned Aerial Vehicles (also known as drones), combined with high-resolution thermal cameras, it is possible to observe changes in surface temperatures of both land and water. With this method, Harkin Aerial and Walden Environmental Engineering PLLC have conducted pilot studies to determine the effectiveness of identifying illicit discharges (pollution) in stormwater and drainage systems by visually observing and classifying thermal temperature anomalies. In this presentation, Harkin and Walden will discuss methodology, equipment, findings, and next steps in building a "visual database" of thermal signatures related to different types of discharge profiles. Additionally, photo geo-referencing, integration into ArcGIS, and drone photogrammetry will be demonstrated as an aid to mapping and identifying illicit discharges.

12:30 – 12:50

Mobile Mapping: An Introduction to ArcGIS Field Maps

Piyali Kundu - Senior Solution Engineer, ESRI

Bringing together the capabilities of ArcGIS Explorer, ArcGIS Collector and ArcGIS Tracker into one unified experience, ArcGIS Field Maps will simplify field deployments

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