

LiDAR Workshop- Building Flood Resilience Using LiDAR Technology

Location: NJSP Division HQ- ROIC building

1040 River Road, Ewing, NJ 08628

Date: September 14th, 2022 (Wednesday)

Time: 9:00 AM - 12:00 PM



LiDAR Workshop Overview:

NJOEM & Rutgers University's presentation on using the LiDAR data technology to enhance flood risk communication, mitigation, and disaster preparedness. See the following page for further details.

Registration Information:

Please register by filling out the [NJOEM Training Registration \(arcgis.com\)](https://arcgis.com). The workshop selection will be under "Course Type", select "Incident Command System and other NJOEM courses." Then under "Course Name", select "LiDAR Workshop."

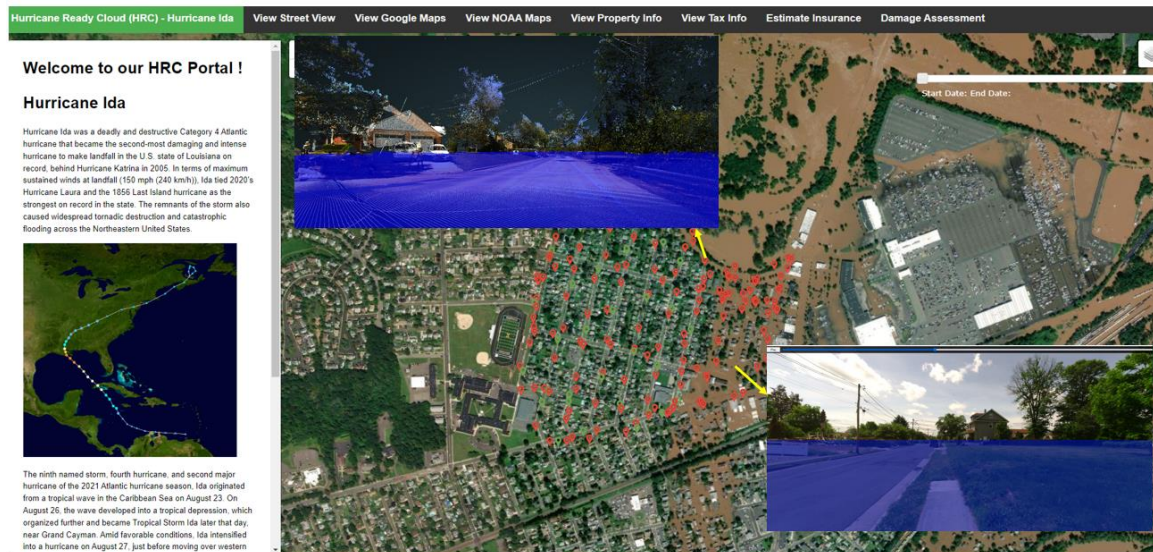
For questions or concerns, please contact the NJOEM Training & Exercise Unit at fieldtrainingunit@njsp.org

A Mini-Workshop on Using Emerging LiDAR Data Products to Build Flood Resilience

09/14/2022

The Rutgers Infrastructure Resilience Program led by Dr. Jie Gong, in joint with New Jersey Office of Emergency Management, is organizing a mini-workshop on using remotely sensed data, in particular mobile LiDAR data, to enhance flood risk communication and mitigation as well as disaster preparedness. The mini-workshop will be held between 9:00 am – 12:00 pm on September 14, 2022 at the State Emergency Operations Center in the Support Room. The workshop will feature a mélange of three communities: R+D, state agencies, and practitioners/end-users with a goal to support deliberation on how to best integrate emerging LiDAR data products into flood impact analysis to support flood plain management, prepare for emergency response and identify and mitigate hazard prone areas.

The Rutgers team will discuss the following topics: (1) state-wide LiDAR mapping progress; (2) scalable extraction of building elevation data; (3) street-level flood risk visualization; (4) emergency service disruption modeling; (5) flood early warning systems; and (6) flood impact modeling and assessment. The team will present lessons learned in communities such as Manville in the context of the above topics. The workshop will also include demos and an interactive discussion session at the end.



Workshop Organizers: Rutgers University

Jie Gong, Associate Professor, Department of Civil and Environmental Engineering, Rutgers University, jg931@soe.rutgers.edu

New Jersey Office of Emergency Management

Lt. Bradley Waugh, State Hazard Mitigation Officer
Sgt. Jordan Siegel, Deputy State Hazard Mitigation Officer
Chris Testa, Hazard Mitigation Unit Manager