

Edgar Mills Bio:

Ed Mills is the Firstnet Outreach and Education Manager in Colorado Governor's Office of Information Technology. He and his team are responsible for coordinating efforts across the state of Colorado to support FirNet's mission to give the first responders a "super highway" for critical LTE communications. Check out more on FirstNet in Colorado at www.FirstNetColorado.org.

Ed is a native of Colorado and has worked in the public safety sector nationally and internationally for the past 9 years. He is a domain specialist in counter terrorism technologies, such as StreetLab Mobile (Raman), Mobile Trace (ITMS), and acoustic wave. He has worked alongside many of the major cities' law enforcement and fire departments, like Seattle Fire, Massachusetts Hazardous Materials Unit, and Los Angeles Harbor Police and Bomb Squad. Ed has also worked with the DEA in Quantico, ICE, ATF, and the Coast Guard. He assisted Mexican Customs, Federal Police and the Mexican Army to help them detect drugs and explosives. Ed was the project lead on GE Security's 3-B laser produce – a device that detects chemical, as well as, biological threats.

Ed also enjoys the role of educator. He is a firearms instructor in Colorado, as well as a certified instructor with the Utah Bureau of Criminal Investigations. For the past 20 years, he has also worked as a teacher and administrator in Missouri, Hawaii and Colorado, publicizing books and developing curriculum along the way. Ed has always felt passionately about service and giving back to the community. He is currently a firefighter, emergency medical responder, and swift water rescue swimmer with Evergreen Fire Rescue. Mr. Mills serves on the high-risk extrication team in the Denver metro area and is a Fire Information Duty Officer for the mountain area. He also served as a military policeman in the United States Army for 6 years.

Abstract:

LTE technologies transforming Search & Rescue Operations

This presentation provides updates on his last year's presentation for the Firstnet system for cell towers and new government technology in national SAR Communication, Operational Awareness, Smart devices, and sensors.

Data sharing, dynamic communication and an evolving platform that transforms the simplest communication into useable information is changing the way search and rescue teams operate across the country. Smart devices and transport networks are becoming a vital platform to communicate and share information with operational personnel as well as the reporting party and the victim.

Search and Rescue teams in the very near future will be able to harness smart device capabilities using an ad hoc or a terrestrial network that will allow them to share information, access applications (like situational awareness), and provide important updates in real time.