

Talk: Educating the Geomatics Engineers of the future - balancing fundamental theory with ever-changing technology

Immense challenges lie ahead to improve the quality of life of populations across the globe from decaying infrastructure, increasing populations, natural hazards, and climate change. Geospatial technologies and data continue to provide the critical backbone to enable smart, sustainable cities to first become a reality and then continue to thrive. This talk explores potential roles and opportunities for the geomatics engineer in our future world to develop creative solutions to address societal needs as civilizations continue to become more complex and technologically advanced. We will explore what skillsets and training are required to prepare geomatics engineers, what geospatial technologies may look like to support these smart cities located in a wide range of environments, what potential strategies could be employed to evolve geomatics and civil engineering curriculum and workforce training opportunities for this bold future.