



Surveying & Geomatics Educators Society (SaGES) 2022 Virtual Conference August 2, 3, 4, 2022

**11:00 am – 4:00 pm Eastern (8 am - 1pm Pacific) Standard Time each day
~25 papers, two keynotes and Society business including officer elections**

Please use payment link below to pay the \$35 conference fee which includes a two-year membership to the Society. First time ever attendees at a SaGES conference and students (graduate and undergraduate), please select the \$20 fee option.

<https://events.zoom.us/j/Am-xjOPAkSwOBwpe7W4p156SG9zT-oTIT4ryrPE2T0JqvPccbGkZ~AggLXsr32QYFjq8BIYLZ5I06Dg>

Questions/Problems including wanting more detail? Please contact one of the following:
Marlee Walton (marlee@iastate.edu) or Joseph Paiva (joepaiva@geo-learn.com) conference chairs

Abbreviated Program Details

Tuesday August 2 nd	Wednesday August 3 rd	Thursday August 4 th
SaGES and the National Surveying Educator's Conferences: History of Surveying Education and Future Challenges	An Affordable Modular Open-Source Scale Model Platform for Teaching Autonomous Mobile Mapping System (AMMS) Technologies	Incorporation of Geomatics based STEM Content for 8-12 Grade Students
Building Accessible and Acceptable Bachelor's Degree Programs in Land Surveying at Community Colleges	Are you preventing the doming effect in your drone projects?	Is Porter's Five Forces Framework Relevant for Educational Programs? Insights on Student Enrollment in Surveying/Geomatics Programs
Update on the ASCE Utility Engineering & Surveying Institute (UESI) Committee on Education and Changes Ahead for the Licensing of Professional Surveyors	An FGO/SS integrated GNSS precise positioning algorithm with smartphones	Team based learning in least squares estimation
Key Perceptions of Surveying-Geomatics from the State of Georgia's Surveying Stakeholder Group: A Data Mining Effort	Analysis of coordinate transformation methods for deformation monitoring	Updates on the National Geodetic Survey's Free, Online Training Opportunities

Keynote: Denis Hains-- " <i>Hydrospatial~Blue Geospacial+</i> " Former Hydrographer General of Canada	Digital Twins and the Elephant in the Room	Classroom to Hybrid to Online: Evolution of a Teaching Style at the University of Maine
Towards Defining and Nurturing Spatial Literacy in Surveying/Geomatics Education	Keynote: Michael Dennis--"Changes Afoot After 2022: State Plane and the Death of the U.S. Survey Foot"	Use of Three- Dimensional Models of Surveying Equipment for Lab Instruction
Beyond Books and Slideshows: Geovisualization Solutions Available to Implement in the Classroom to Improve Learning	SaGES membership meeting	Introductory Survey Exercises with the Leica MS60- Meeting Practical Learning Objectives in a Virtual World
The Discovery of VRScan3d - a Virtual Laser Scanning Simulator for use in Teaching Environment, and its' introduction on-the-fly into the classroom		Race against time: Student educational experiences to capture the historic Blue Heron Paper Mill site
Virtual Field Survey: A gaming Approach		Searching the Locations of the Revolutionary War Installations: An Overview
Lessons Learned: Developing Experiential Learning Activities for a Land Surveying Classroom		