



MALSCCE Webinar Series

Why Multi-Constellation GNSS Blows Your Old GPS Out of the Water

Friday, June 23, 2023

12:00 PM - 1:30 PM

This Zoom Video Webinar will be recorded

Did you know on June 5, 2023, at noon EDT there were 34 GNSS satellites above Boston with an elevation mask of 10 degrees? Did you know at that same time another constellation provided more satellites than GPS? Most of these satellites have more than two frequencies, and in most cases the third frequency is “more powerful” enabling better data under obstructions. But one needs to be very proactive in using modern firmware, software, and base stations, or else one will not be taking advantage of the modern GNSS constellation. Improvements in RTN VRS and Max solutions need to also be discussed and how this affects the modernization of GNSS base stations. The possible integration of IMU into GNSS real time solutions will also be presented. Finally, the inevitable transition in the future from differential GNSS to precise point positioning GNSS will be predicted. This webinar is intended to be very nonmathematical and very question and answer based.

Speaker



Raymond J. Hintz, PLS, PhD, Professor, University of Maine

Raymond J. Hintz is a professor of surveying engineering technology at the University of Maine, program coordinator for the B.S. program in surveying engineering technology and graduate coordinator for the Professional Science Masters in Engineering and Business surveying engineering concentration. His research interests lie in automation of data collection and processing of surveying and photogrammetric information. Dr. Hintz has published more than 50 articles in journal and conference proceedings related to surveying, and is a registered land

surveyor in the states of Maine and Florida. He is active in promoting UAS technology, with a portion of two Photogrammetry courses he teaches dedicated to surveying and mapping using UAV technology. He also conducted nine one-day seminars to various organizations on UAV's in the last two years. In addition to his academic experience, Dr. Hintz is recognized for his role in developing several software packages including the Cadastral Electronic Field Book (CEFB), Cadastral Measurement Management (CMM) and Geographic Measurement Management (GMM). The CEFB enables automatic entry of measurement and automated field note information into CMM, a computation tool for survey and analysis of cadastral surveys. GMM was adopted as the approved tool for development of the Bureau of Land Management's Geographic Coordinate Data Base.

Registration Information

Registration Fees: \$55/person, \$110/up to three people, \$165/up to five people for MALSCCE members* and \$85/person, \$170/up to three people, \$255/up to five people for non-members.

For group registrations the applicable registration fee will be determined by the membership status of the majority of registrants. Please note that a recording of this webinar will be made available for viewing for a 60-day period. By registering to participate in this webinar you are granting MALSCCE permission to record any questions you ask.

* Members of CALS, MSLS, NHLSA, NYSAPLS, RISPLS, and VSLS can attend for the MALSCCE member rate.

Registration Deadline: Wednesday, June 21, 2023. [Click here](#) to register to participate in this webinar and pay via Visa, MasterCard, or American Express. To register online at the MALSCCE member rate, login using your MALSCCE assigned username and password. If you do not know your member login information call 617/227-5551. You can also complete the registration form below and register via email, fax, or regular mail. Email or fax your registration form with credit card information to malsce@engineers.org or 617/227-6783,

respectively. Mail your registration with credit card information or a check (payable to "MALSCE") to: MALSCE, One Walnut Street, Boston, MA 02108. Group registrations can also be made via email, fax, or mail. To register a group via email, fax, or mail, download the [MALSCE Webinar Group Registration Form](#) and follow the submission instructions. Registrations are processed on a first-come, first-served basis. No refunds will be given after the Wednesday, June 21, 2023, registration deadline. Registrants who fail to login to the webinar will be billed. This webinar is offered for the benefit of MALSCE members and other interested registrants. Anyone who is discovered viewing this webinar without having registered to do so will be billed the appropriate registration fee.

Continuing Education

This seminar is worth 1.5 professional development hours (subject to state-specific exclusions; seek clarification from appropriate state authorities). All webinar registrants will receive a certificate of participation after the webinar. Please complete the appropriate registration form with your legal name, address, and other contact information so that you will be properly identified on the certificate.

Tax Information

Expenses incurred for education undertaken to maintain and improve professional skills (including travel, meals, and lodging) may be tax-deductible.

Individual Registration Form

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Registrant Information: For group registrations, please complete and return a [Group Registration Form](#).

Name: _____
Organization (if applicable): _____
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____ Email: _____

Registration Fees

\$55 MALSCE Member* \$85 Non MALSCE Member

* Members of CALS, MSLS, NHLA, NYSAPLS, RISPLS and VSLS can attend for the member rate. Please check the appropriate box below:

CALS MSLS NHLA NYSAPLS RIPLS VSLS

Total Amount Enclosed: _____

Make checks payable to "MALSCE" and mail with completed form to: MALSCE, One Walnut Street, Boston, MA 02108-3616

Or pay with (Check one): Visa Master Card American Express

Name on card: _____

Card Number: _____

Expiration Date: _____ Security Code: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

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- Questions? Call 617/227-5551