

# THE OREGON GNSS USERS GROUP

## 2023 Annual Meeting

Friday, August 18, 2023 9:00 am – 3:00 pm  
Chemeketa Eola—Northwest Wine Studies Center  
215 Doaks Ferry Rd NW  
Salem, Oregon 97304

*Coffee, light breakfast and catered lunch (sandwich or salad) provided at NO CHARGE to members!*

### AGENDA

- 8:30-9:00 Coffee, pastries & fruit; check-in and networking.
- 9:00-9:15 Welcome & business meeting.
- 9:15-9:45 **Kevin LaVerdure, PLS—Lead Operations Surveyor, Oregon Department of Transportation**  
Details on how these ever so popular low distortion projections (LDP) are created:
- How is an LDP created and how do we properly implement them in our surveys.
  - What are the considerations and methods implemented to minimize the distortions and what sacrifices are made to achieve those goals?
  - When should they be used? When should they be avoided?
- 9:45-10:45 **Bob Green, PLS—Geospatial Analyst, Frontier Precision**  
Details of site calibration and localization
- 10:45-11:00 Break
- 11:00-11:30 **Chase Simpson—Instructor of Geomatics, Oregon State University**  
Challenges and Recommendations for Establishing Project Control
- Short Discussion on Field procedures and combining GNSS with optical observations (i.e., Least Square Adjustment)
- 11:30-12:00 **Michael Olsen—Associate Professor of Geomatics, Oregon State University**  
Challenges with managing Linear Distortion in remotely sensed data (e.g., 3D laser scanning, SfM Photogrammetry, etc.)
- 12:00-1:00 Lunch
- 1:00-1:30 Activity: Sample projects will be passed out to each table in order to facilitate discussion using the principles presented during the morning session.
- 1:30-2:00 Different groups can share their survey plan with the rest of the audience and we all will discuss/provide feedback.
- 2:00-2:15 Break
- 2:15-3:00 General discussion:
- How is everyone currently using the LDP's?
  - Are folks scaling LDP coordinates?

**RSVP** your attendance and choice of sandwich or salad to: Chris Munson, Secretary [chris@munson-assoc.com](mailto:chris@munson-assoc.com)

Questions? Contact Samantha Tanner, Chair [samantha.tanner@45geomatics.com](mailto:samantha.tanner@45geomatics.com)