

| Time | Sunday | Monday | Tuesday | Wednesday | Thursday |
|-------|--------|---|---|---|------------------------|
| 7:30 | Travel | Registration Opens & Breakfast | Registration Opens & Breakfast | Registration Opens & Breakfast | Busses Leave Corvallis |
| 8:00 | | Opening Ceremony- Welcomes, Logistics, Surveying in the Pacific Northwest, Geomatics at Oregon State University | Reference Frames I | Cutting Edge Technologies & Modernizing a Curriculum | Vacation Day |
| 8:30 | | | | Break-Sponsored by Pearson | |
| 9:00 | | | Reference Frames II, Panel Discussion | | |
| 9:30 | | | | Group Photo and Scan | |
| 10:00 | | | Lunch | | |
| 10:30 | | | | Cutting Edge Geomatics Research | |
| 11:00 | | | Break-Sponsored by Carlson Software | | |
| 11:30 | | | | Educational Partnerships with Professional Organizations, Industry, and Government | |
| 12:00 | | | Lunch (Keynote: Surveying Engineering Automation at Oregon DOT) | | |
| 12:30 | | | | Recruiting Students to Geomatics and to Pursue Licensure | |
| 13:00 | | | Break-Sponsored by Woolinda Media | | |
| 13:30 | | | | Workshop #1: Education for Professional Registration? | |
| 14:00 | | | Break | | |
| 14:30 | | | | Student Poster Session (Roving Dinner and Cash Bar) Sponsored by David Evans & Associates | |
| 15:00 | | | Break | | |
| 15:30 | | | | Welcome Reception | |
| 16:00 | | | Break | | |
| 16:30 | Break | Break | | | |
| 17:00 | | | Break | Break | |
| 17:30 | Break | Break | | | |
| 18:00 | | | Break | Break | |
| 18:30 | Break | Break | | | |
| 19:00 | | | Break | Break | |
| 19:30 | Break | Break | | | |
| 20:00 | | | Break | Break | |
| 20:30 | Break | Break | | | |
| 21:00 | | | Break | Break | Return |

SaGES Monday

| Session | Session Moderator | Time | Topic | Presenter | Affiliation |
|--|--|-------|--|---|--|
| | | 7:30 | Registration and Breakfast | | |
| Opening Ceremony | Michael J. Olsen, Oregon State University | 8:30 | Welcome and Introduction to the Conference. Logistics | Michael Olsen | Oregon State University |
| | | | Welcome from the Dean of the College of Engineering | Scott Ashford | Oregon State University |
| | | | Welcome from the School Head of Civil and Construction Engineering @ OSU | Jason Weiss | Oregon State University |
| | | | Geomatics within Civil and Construction Engineering @ Oregon State University | Chris Parrish | Oregon State University |
| | | | Geomatics within the College of Forestry @ Oregon State University | Jim Kiser | Oregon State University |
| | | | Brief History of SaGES | Robert Schultz | Oregon State University |
| | | | Welcome from the Current President of SaGES | Bill Hazelton | Woolinda Media |
| | | | Surveying in the Pacific Northwest | Martin Paquette, Tim Kent | Rensler Technical College |
| | | Break | | 10:30 | BREAK - Sponsored By Leica Geosystems |
| Educational Partnerships with Professional Organizations, Industry, and Government | Joe Paiva, Geolearn | 10:50 | NSPS Activities for the Future of Surveying Training | Steve Douty | National Society of Professional Surveyors |
| | | | ASCE UESI Activities for Surveying Education | Marlee Walton | Iowa State University |
| | | | NSPS/FIG Young Surveyors Network | Chris Glantz, Kelly Miller | Oregon DOT |
| | | | Penn State's Educational Partnership | Frank Derby | Pennsylvania State University |
| | | | Partners in Surveying Education: Leica Geosystems, David Evans & Associates, Kuker-Ranken, and Oregon State University | Marcus Reedy | David Evans and Associates |
| Lunch | Chris Parrish, Oregon State University | 12:15 | Lunch | | |
| | | | Keynote - Surveying Automation @ Oregon DOT | Joe Thomas, Christopher Glantz, and Randy Oberg | Oregon DOT |
| | | | Break | | |
| Recruiting Students to Geomatics and to Pursue Licensure | Steven Johnson, Purdue University (Emeritus) | 13:40 | Positive (semi-)definite: decomposing my first year as an instructor in surveying and mapping | Ivan Detchev | University of Calgary |
| | | | Geomatics Must Speak Up! - Branding and Outreach Opportunities | Gavin Schrock | xyHt Magazine |
| | | | Surveying Education in the Post-2008 Recession | James Ellithorp | Nicholls State University |
| | | | Current state of 4 year land surveying and Geomatics Programs | Charles Nettleman | Texas A&M Corpus Christi |

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| | | | Surveying Minors in Civil Engineering Degree Programs: A Fresh Look at an Old Model. | Anthony Vannozi | Wentworth Institute of Technology |
| Break | | 15:20 | Break - Sponsored by Woolinda Media | | |
| Professional Licensure | Robert Schultz, Oregon State University | 15:40 | Workshop 1: Education for Professional Registration? | Robert Schultz | Oregon State University |
| | | | Panel Member 1. Dual Licensure P.E. & P.L.S. | John McGee | JD McGEE Surveying and Engineering |
| | | | Panel Member 2. P.L.S. | Charles (Tony) Nettleman | Texas A&M Corpus Christi |
| | | | Panel Member 3. No Licensure | Charles D. Ghilani | Pennsylvania State University (Emeritus) |
| | | | Open Discussion | | |
| Break | | 17:10 | Break | | |
| Student Poster Session | Jihye Park, Oregon State University | 18:00 | Student Poster Session & Dinner Reception. Sponsored by David Evans & Associates | (Multiple Student Presenters) | |
| | | 20:30 | End of Activities for the Day | | |

SaGES Tuesday

| Session | Session Moderator | Time | Topic | Presenter | Affiliation |
|---------------------------------|--|-------|---|--|---------------------------------|
| | | 7:30 | Breakfast | | |
| Reference Frames Part I | Chris Parrish, Oregon State University | 8:30 | Taking Advantage of Ignorance and Stupidity: Promoting Geospatial Science in Times of Fake News and Disinformation | Bill Hazelton | Woolinda Media |
| | | | The Modernized National Spatial Reference System | Dru Smith | National Geodetic Survey |
| | | | How the Modernized National Spatial Reference System will affect boundary determination | Carlton Brown | University of Maine |
| | | | 3D Reference Systems: Opportunity for Surveying Profession to be Innovative Leaders in the Spatial Data Community | Earl Burkholder | Global Cogo |
| | | 9:50 | Break - Sponsored by Pearson Education | | |
| Reference Frames Part II | Chris Parrish, Oregon State University | 10:30 | Improving The Role of Geodetic Dynamic Datums in Surveying and Geomatics | Hamid Mahmoudabadhi | Trimble Geomatics, Ltd. |
| | | | Surveying in the aftermath of disaster: NSF NHERI Rapid Center and Lessons learned from the 2016 Kaikoura Earthquake | Michael Olsen | Oregon State University |
| | | | Challenges with reference frames in education. | Panel Discussion | |
| Photo | | 11:30 | Group Photo and Scan | Johanna Carson and OSU Graduate Students | |
| Lunch | | 12:00 | Lunch | | |
| Cutting-Edge Geomatics Research | Tracy Arras, Oregon State University | 13:00 | Levee Monitoring Using sUAS | Baliji Ramachandran | Nicholls State University |
| | | | Variables in UAS flying to meet NSSDA standards | Joseph Paiva | Geolearn |
| | | | Road Marking Extraction from Mobile Lidar data | Jaehoon Jung | Oregon State University |
| | | | Concepts of Spatial Data Accuracy Need Our Attention | Earl Burkholder | Global Cogo |
| | | | GNSS Remote Sensing | Jihye Park | Oregon State University |
| | | | Is a Hand-held GPS enough for research in ecology? A case study of Hand-held versus RTK technology on the interpretation of behavioral ecology data | Esra Yilmaz | Penn State University |
| Break | | 14:30 | Break - Sponsored by Carlson Software | | |
| Sages Business Meeting | Bill Hazelton, Woolinda Media | 15:00 | SAGES BUSINESS MEETING | Bill Hazelton | Sages President, Woolinda Media |
| | | 16:30 | Subcommitteee Meet and Greet | Subcommittee Chairs | |
| Optional Tour | Chris Parrish, Oregon State University | 17:00 | Hinsdale Wavelab Tour or Break | Pedro Lomonco | Oregon State University |
| | | 18:30 | Awards Dinner. Sponsored by Trimble | Bill Hazelton | Woolinda Media |
| | | 21:00 | END OF EVENING ACTIVITIES | | |

SaGES Wednesday

| Session | Session Moderators | Time | Topic | Presenter | Affiliation |
|--|---|-------|--|--------------------------|-----------------------------------|
| Breakfast | | 7:30 | Breakfast | | |
| Emerging Technologies and Modernizing a Curriculum | Yelda Turkan, Oregon State University | 8:30 | Enhancing Geomatics Education through Visualization | Esra Tekdal Yilmaz | Penn State University |
| | | | Incorporating Innovative Technologies in an Undergraduate Photogrammetry Course | Wright | West Point Academy |
| | | | New photogrammetric technologies in the classroom | Ahmed Elkashar | Cal Poly Pomona |
| | | | UAVs and the Penn State Surveying Program | Frank Derby | Penn State University |
| | | | Active Learning Strategies for the Geomatics Classroom | James Ellithorp | Nicholls State University |
| Break | | 10:00 | Break | | |
| Web-based, Media, and Active Learning | Charles Ghilani, Penn State University (Emeritus) | 10:30 | Educational Offerings Available Through the National Geodetic Survey | Erika Little | National Geodetic Survey |
| | | | Digital Field Books | Brian Naberezny | Penn State University |
| | | | Applying Successful Course Design Elements from an Online Course to a Face-to-Face Course: The Foundation Surveying-Geomatics Course | Roger Purcell | Georgia Southern University |
| | | | Developing Online Educational Courses to Support Professional Licensure | Joseph Paiva | Geolearn |
| Lunch | | 11:50 | Lunch | | |
| Keynote | | 12:20 | Keynote Speaker - The Oregon Lidar Consortium | Jacob Edwards, TBD | DOGAMI, Quantum Spatial |
| WORKSHOP #2 | Jim Kiser, Oregon State University | 13:30 | WORKSHOP #2: Structure and Components of an Introductory Surveying Course | Jim Kiser | Oregon State University |
| Break | | 15:00 | Break | | |
| WORKSHOP #3 | Steve Frank, New Mexico State University | 15:30 | ABET WORKSHOP | Amanda Reid, Steve Frank | ABET, New Mexico State University |
| Closing Ceremonies | Michael Olsen, Oregon State University | 17:00 | Discussion of Vacation Day Logistics | Yelda Turkan | Oregon State University |
| | | | Conference Wrap Up | Michael Olsen | Oregon State University |
| | | | Announcements of Upcoming Survey Conferences and Events | ALL | |
| | | | Final Remarks from Sages President | Joseph Paiva | Geolearn |
| | | 17:25 | Adjourn | | |
| | | | Dinner (on own - sign up sheets to be posted) | | |
| | | | END OF EVENING ACTIVITIES | | |

SaGES Student Poster Sessions

| Authors | Poster Title |
|---|--|
| Laura Barreiro-Fernandez, School of Civil and Construction Engineering, Oregon State University Brady Callahan, Oregon Parks and Recreation Department Christopher Parrish, School of Civil and Construction Engineering, Oregon State University | Mapping and Monitoring Oregon Shoreline Protective Structures using Lidar and Photogrammetry |
| Su-Kyung Kim, Oregon State University Jihye Park, Oregon Sate University | Monitoring Sea Level Change using GNSS-Reflectometry |
| Anahita Shabazi and Jihye Park, Oregon State University | Detection of Traveling Ionospheric Disturbances Using Space-Based Total Electron Content Observations |
| Hoda Tahami, Oregon State University Jihye Park, Oregon State University | Monitoring the Hurricane Trace by GNSS-derived Perceptible Water Vapor Estimation |
| Marian Jamieson and Daniel Gillins, Oregon State University and NOAA | Comparative Analysis of Online Static GNSS Post-Processing Services |
| Michael Bunn, Ben Leshchinsky, and Michael Olsen, Oregon State University | Mapping Oregon's Landslides |
| Erzhuo Che, Oregon State University Michael J. Olsen, Oregon State University | Fast Edge Detection for Terrestrial Laser Scanning through Normal Variation Analysis |
| Matt O'Banion, Oregon State University Michael Olsen, Oregon State University Claire Rault, Ecole Normale Superieure Paris Joseph Wartman, University of Washington Keith Cunningham, University of Alaska, Fairbanks | Comparison of Terrestrial Laser Scanning and Structure from Motion Techniques for Assessment of Unstable Rock Slopes in Alaska |
| Nisha Purin and Yelda Turkan, School of Civil and Construction Engineering, Oregon State University | Using 3D Laser Scan Point Clouds for the Dimensional Quality Assessment of Cast-in-Place Concrete Slabs |
| Nicholas Forfinski, Christopher Parrish, Oregon State University | Nearshore Bathymetry from Active-Passive Data Fusion |
| Farid Javadnejad, Oregon State University Chase Simpson, Oregon State University Daniel T. Gillins, National Geodetic Suvey Tyler Claxton, Oregon State University Michael J. Olsen, Oregon State University | SfM-Photogrammetry: Potentials and Limitations for Generating BIM/CIM Models of Pipes |
| Ciara Annas, Chase Simpson, and Blaine Wruck Oregon State University | Activities of the Professional Land Surveyors of Oregon Student Chapter at Oregon State University |
| Aaron Achoroi, Makerere University | AN ASSESSMENT OF THE INFLUENCE OF GROWTH POLES ON LAND-USE TRANSFORMATIONS IN UGANDA: EVIDENCE FROM KAMPALA INDUSTRIAL AND BUSINESS PARK (KIBP). |