



Presents a half-day seminar on:

## **Advances in Surveying Technology**

**Tuesday  
April 28, 2026**

**an In-Person Seminar at the**

**Centerplace Regional Event Center  
2426 North Discovery Place, Spokane Valley**

The ASCE Inland Empire Section is pleased to present a half-day workshop on advances in surveying and field measurement methods and other Survey-related topics.

The seminar will include presentations on:

- Artificial Intelligence and Geospatial Data
- Digital Twins
- UAVs In Surveying, Construction, and Inspection
- High Resolution Mapping
- Automated Geotechnical Instrumentation & Monitoring
- Ground Penetrating Radar
- Precise Rail Line Track Movement Monitoring

Presenters for the workshop include:

- Josh Miller, David Evans and Associates, Inc.
- Alan Pecor, David Evans and Associates, Inc.
- Justin Anderson, Coffman Engineers, Inc.
- Jade Parsons, Parametrix
- Kael Martin, Parametrix
- Collin McCormick, Greyson Charon, Jack Pappas - Budinger & Associates, Inc.

This course qualifies for 4 PDH continuing education hours.

## Agenda

<u>Morning</u>		
8:15 to 8:45	<b>Registration and Coffee</b>	<b>10:50 to 11:30</b> <b>The Role of AI and UAS in the Future of Geospatial Data</b> - Jade Parsons and Kael Martin, Parametrix
8:45 to 8:50	<b>Welcome and Introduction</b> - Alan Gay, Coffman Engineers, Inc.	
8:50 to 9:40	<b>Survey Behind the Design</b> - Justin Anderson, Coffman Engineers, Inc.	<b>11:30 to 12:20</b> <b>Priest Rapids Dam Automated Instrumentation &amp; Monitoring; Lincoln/Crestline Force Main GPR; Gooby Rd. Track Movement Monitoring</b> - Collin McCormick, Greyson Charon, Jack Pappas – Budinger & Associates
9:40 to 10:30	<b>Unlocking Value from a Digital Twin</b> - Joshua Miller and Alan Pecor, David Evans and Associates, Inc.	
10:30 to 10:50	<b>Break &amp; refreshments</b>	<b>12:20</b> <b>Lunch (Stay or Grab-and-Go)</b>

## Instructor Bios

**Justin Anderson** has a technical degree in Civil Engineering. He has over 18 years of hands-on experience in land surveying, serving as Crew Chief and lead pilot for remote and field-based operations. He is responsible for overseeing field survey crews, collecting high-quality data, performing quality control, drafting legal descriptions, and preparing survey maps, exhibits, and plats. Justin has extensive experience managing complex boundary, topographic, and ALTA/NSPS surveys across a wide range of project types. Justin excels at delivering accurate, defensible survey products while maintaining tight schedules and high safety standards. He enjoys being at the lake, fishing and hiking when not in the field.

**Joshua Miller** is the Inland Northwest Market Lead for Survey and Geomatics at David Evans and Associates, Inc. Josh brings over 26 years of hands-on experience delivering control sheets, ORD topographic base maps, boundary and utility base mapping, ROW plans, legal descriptions, exhibits, and Records of Survey, with a strong emphasis on work for ITD. Having spent most of his career in a production-focused role, Josh has developed a well-rounded perspective through direct involvement in both field and office operations. This foundation, combined with his exposure to the rapid evolution of surveying technologies, enables him to efficiently integrate modern tools and workflows into project delivery. He is proficient with Leica and Trimble survey systems and a wide range of industry software, including Open Roads Designer, MicroStation (V8 and XM), Inroads, TopoDOT, AutoCAD Civil 3D, Trimble Business Center, Leica Infinity, Cyclone, and Riegl LiDAR platforms..

**Alan Pecor** is a sUAS Pilot and Geospatial Technician at David Evans and Associates, Inc. Alan has performed hundreds of leveraging small Unmanned Aerial Systems (sUAS) technology to bridge the gap between real-world challenges and cost-effective solutions. With 10 years of experience in fieldwork, sUAS operations, and data processing, he specializes in developing workflows tailored to the exact needs of his clients. While performing bridge inspections in Indiana for three years, he developed a delamination detection process that has been employed by nearly all the of the 92 counties in the state. At David Evans and Associates, Inc. (DEA), Alan serves as a Geospatial Technician and holds a bachelor's degree in Unmanned Aerial Systems from Purdue University along with his Part 107 license. He is proficient in LIDAR data collection, aerial cinematography, and infrastructure inspection.

**Jade Parsons, PLS** is the Spokane survey manager for Parametrix. After earning her bachelor's degree in Geography from the University of Hawaii at Mānoa, Jade's curiosity about the world and how we map and understand it naturally led her to land surveying. She moved to Washington and began her surveying career at Parametrix in 2017. Over the past 9 years she has continued her path of lifelong learning, obtaining her master's degree in Geomatics from the University of Florida in 2022. Jade has worked on and managed survey projects of all types and scales, specializing in large projects requiring a strong attention to detail. Jade continues to lead diverse projects, ranging from small residential surveys to large commercial projects aiding in engineering design. She oversees project delivery, manages field and office teams, and is leveraging UAVs and LIDAR to provide precise, up-to-date mapping solutions that support engineering design. She is also currently working on multistate licensure to support a wider range of projects in the greater Spokane area.

**Kael Martin** has built his career adapting with technology to develop innovative means of data collection and visualization. After earning his master's degree in civil engineering at the University of Washington, where he specialized in instrumentation and hydrologic modeling, he found the field of bathymetric mapping and geospatial sciences. With over 10 years of experience solving complex survey problems, Kael has helped develop, expand and refine service offerings across single beam and multibeam bathymetry, terrestrial, aerial and mobile lidar, and photogrammetry. He enjoys integrating survey methodology with environmental and geophysical observations, including hydrologic monitoring, to create more cohesive datasets. Kael also specializes in high-precision infrastructure and automated total station monitoring and is actively pairing traditional survey measurements with geospatial technologies to expand point monitoring solutions to spatial monitoring networks. Kael is a registered Washington State Professional Land Surveyor and is actively pursuing his Washington State Professional Engineering license. Outside of work, he can be found exploring the outdoors – snowboarding, mountaineering, bikepacking, and packrafting, among other things.

**Collin McCormick, PE, MSCE** is a Senior Geotechnical Engineer at Budinger & Associates, Inc. (BAI). His specialties include ground improvement and foundation design, landslide mitigation, and geotechnical instrumentation. He spends his spare time cooking, gardening, and raising backyard chickens in Hayden, Idaho to feed his growing family.

**Greyson Charron, PE, MSCE** is a Geotechnical Engineer at BAI. His technical skills include deep foundations, walls & slopes, high strain dynamic testing, numerical modeling, and ground improvement.

**Jack Pappas, LG, LEG** is BAI's Lead Geologist. He is a FERC approved geologist, implementing Drilling Programs Plans on local dams and is a member of the ASCE Grouting Committee. He and his wife are raising a growing family on Spokane's South Hill.

## **Registration**

**Cost: \$100.00** (includes lunch!) Regular registration April 20, 2026. Please note that you will also be charged a processing fee by Eventbrite, resulting in a total fee higher than \$100. Full time students are entitled to a reduced enrollment fee of \$50 plus an estimated Eventbrite charge of \$4.

A late fee of \$200 will be in effect after regular registration closes, subject to available space. The estimated Eventbrite fee would be \$15.

### ***Centerplace Regional Event Center***

2426 North Discovery Place, Spokane Valley, WA 99216

Free parking with over 400 spaces adjacent to building.

### ***Deadline Notice:***

To ensure participation, enroll early.

Regular Registration will close on April 20, 2026.

Late fees will be charged thereafter.

### ***Registration Process:***

Go to <https://ascetechnicalseminar.eventbrite.com> to register and provide payment

### ***Lunch Selection:***

Lunche will be provided by Inland Northwest Catering.

Gluten Free, Vegetarian, and Vegan options are available, please make selections through the Eventbrite registration process.

### ***Education Credit:***

0.4 CEUs (4 PDHs) for attendance of this course.

### ***For more Information:***

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