

Lessons from 27 Years of Laser Scanning

LIDAR, Point Clouds, Albedo, Phase Based, Georeferencing, Dimensional Control, Time of Flight, Modeling, Registration, Wavelength and Noise are some of the concepts you will need to understand the ability and uses of Laser Scanning. BIM, Topography, Navigation, As-builts, Fabrication, Performance Analysis and Structural Analysis are some of the uses of Laser Scanning. Changing the way, you think is what it takes to get the full benefit of Laser Scanning. Falk PLI will share their lessons learned from 27 Years of Laser Scanning; discussing Advancements in Data Acquisition, Reporting, and Analysis. More importantly how laser scanning has helped change many Industries.



Mike Falk, PE, LS, FASCE

President / CEO at Falk PLI Engineering and Surveying, Inc.

Mike & Dorothy Falk started Falk PLI in 1995. In 1998 Falk PLI was the first company to introduce 3D Laser Metrology into the Metals Industry. Falk PLI has been an early Implementer, Innovator and Leader in the fields of Laser Tracking and Laser Scanning. The Falk PLI Team has developed proprietary procedures, processes and practices for data capture, analysis, and reporting. Mike is a Licensed Professional Engineer and a licensed Professional Surveyor in multiple states. Mike's early career includes a Surveying degree from Purdue University; work at two large AE/CM firms and the Superconducting Super Collider before starting Falk PLI. Mike was named a Fellow in the American Society of Civil Engineers in 2009. In 2025 he received their Surveying and Mapping Award Mike & Dorothy have been married for 39 years and are the parents of 3 adult daughters.



Nate Plooster, PE, PS

Vice President at Falk PLI Engineering and Surveying, Inc.

Nate Plooster joined Falk PLI in 2011 as a crew chief running industrial and civil jobs in the field. In his current role as Vice President of Engineering, Nate oversees the engineering department and the civil surveying division. Nate received his Master of Science in Engineering Degree from Purdue in 2009. Nate is licensed in multiple states as a Professional Engineer and Surveyor.



Lyles School of Civil and Construction Engineering



Date

February 13th, 2026

Time

11:30AM - 12:20PM

Location

HAMP 2123