

Mr. Joseph Eganhouse is a Senior Staff Consultant with over 28 years of experience in mechanical and electrical testing, failure analysis, and accident reconstruction. His experience covers many industries including aerospace, automotive, marine, rail, construction equipment, industrial, and consumer products.

He specializes in the design and implementation of standard and unique test set-ups. In addition, he has extensive experience in mechanical and demonstrative mock-ups.

He is certified in the use of FARO Focus 3D laser scanner, along with extensive photography and macro photography experience.

Education

BS, Aviation Management. Southern Illinois University. 1989

Positions Held

Engineering Systems Inc., Aurora, Illinois

- Senior Staff Consultant – 2015 - Present
- Manager of Laboratory Services – 2005 - 2015
- Senior Technologist – 1989 – 2005

Publications

Stepladder Spreader Bar Structural Integrity and the Impact on Accidents, M.P. Van Bree, E.H. Knox, K.M. Smith, **J.T.**

Eganhouse, Proceedings of the ASME International Mechanical Engineering Conference and Exposition, Lake Buena Vista, FL, November 2009.

Measurement of Thermal Residual Stress Using the Strain Gauge Method, C.R. Morin, E.H. Knox, M.T. Kenner, G.J. Novak, **J.T. Eganhouse**, presented at the Session on “Tools and Techniques,” Failure Analysis Symposium, Materials Science & Technology (MS&T) Conference and Exhibition, ASM International, Detroit, MI, September 2007

Contact Information

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Areas of Specialization

- Vehicle, component and equipment instrumentation and data acquisition.
- Test planning, implementation and documentation.
- Test fixture design and fabrication.
- Mechanical and electrical component testing.
- Aircraft accident reconstruction.
- Site documentation including Faro Focus scanning.

Preventing Failures in Elastomeric Resistance Bands, Proceedings of the Society of Plastics Engineers Annual Technical Conference. S.R. Anand, D.B. Brickman, J.F. Grzetic, **J.T. Eganhouse**, pp.1-11, Anaheim, CA, May 2017

Construction Fall Accident Reconstruction and Safety Analysis, E.H. Knox, S.J. Smith, **J.T. Eganhouse**, The XXVIIIth Annual Occupational Ergonomics and Safety Conference, Chicago, IL, June 2016
