

Exponent®
Engineering & Scientific Consulting

Alex Wagner-Jauregg

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Professional Profile

Mr. Wagner-Jauregg focuses on determining the root cause of failures in a wide variety of products including machinery, vehicles, pressure vessels, medical devices, consumer products, and building materials. His extensive laboratory testing experience includes mechanical testing, thermodynamics, combustion, and heat transfer.

Mr. Wagner-Jauregg has designed and conducted many customized testing programs involving a wide range of disciplines and products. He has performed investigations into the cause and origin of fires and explosions and has extensive knowledge of instrumentation and data acquisition techniques and systems.

Academic Credentials & Professional Honors

B.S., Mechanical Engineering, San Jose State University, 1993

Professional Affiliations

American Society of Mechanical Engineers (member)

National Fire Protection Association (member)

American Society of Heating, Refrigerating, and Air Conditioning Engineers (member)

Publications

Mikolajczak CJ, Wagner-Jauregg A. US FAA-style flammability assessment of lithium ion cells and battery packs in aircraft cargo holds. Exponent Failure Analysis Associates, Inc., April 2005; PHMSA-RSPA-2004-19886-0044. http://www.prba.org/prba/publications/battery_studies_and_reports/Default.ashx

Mikolajczak CJ, Wagner-Jauregg A. US FAA-style flammability assessment of lithium ion cells and battery packs in aircraft cargo holds; Addendum - prismatic battery packs and pressure measurements. Exponent Failure Analysis Associates, Inc., June 2005; http://www.prba.org/prba/publications/battery_studies_and_reports/Default.ashx

Wagner-Jauregg A, Duffner D, et al. Component damage from printed circuit board loading. Proceedings, IPC Printed Circuits Expo 2002, IPC, Long Beach, CA, March, 2002.

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