Robert J Krenz, MSEM, PE
Matthew J Furrer, MSME, PE
Brad R DeHaven, BSEM, PE
Haley J Furrer, Managing Partner
Janice J Krenz, Project Manager

Matthew J Furrer, MSME, PE

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Date of Birth

June 15, 1991

Education

Master of Science Degree Mechanical Engineering

- University of Wisconsin – Madison, December 2020

Bachelor of Science Degree Mechanical Engineering

- University of Wisconsin – Madison, May 2015

Professional Experience

Krenz Engineering | Oregon, Wisconsin

January 2022 to Present

Consulting Engineer, Owner

Krenz Engineering | Oregon, Wisconsin

January 2019 to January 2022

Consulting Engineer

Georgia-Pacific Corporation | Neenah, Wisconsin

June 2015 to January 2019

Research and Development Project Engineer

Sub-Zero Wolf | Madison, Wisconsin

January 2014 to September 2014

Co-op Product Development Engineer

Certifications and Licenses

- FAA Licensed Unmanned Aircraft Pilot (2022)
- Registered Wisconsin Professional Engineer (2019)
- Society of Automotive Engineers – Accessing and Interpreting Heavy Vehicle Event Data Recorders HVEDR 2019
- TAPPI – Extrusion Coating Course 2017
- Plustech – Injection Molding Operation and Processing 2016
- University of Wisconsin – Stevens Point - Coating and Lamination in Packaging Applications 2016

Areas of Expertise

Motor Vehicle Accident Analysis and Evidence Preservation

- Passenger vehicle "black box" crash data retrieval and analysis
- Heavy vehicle event data recorder data retrieval and analysis
- UAS (drone) accident site aerial photography, videography and terrain mapping
- Vehicle speed analysis
- Impact location analysis
- Time-distance avoidance analysis
- Visibility analysis
- Restraint analysis
- Impact severity analysis
- Lighting analysis
- Computer-aided simulation analysis
- Computer aided animation analysis & presentation

Safety Analysis

- Inspection & testing
- Slip/trip/fall walking surface and stairway safety analysis
- Codes & standards research
- Safe place evaluation
- Consumer product safety evaluation
- Workplace or industrial accident analysis

Professional Development

- "Black Box" Crash Data, Computer Animation, and Cutting-Edge Technology for Accident Reconstruction – Iowa Attorneys for Justice Conference, Presenter (2021)
- Crash Data Group 2019 Event Data Recorder Summit
- NCEES Fundamentals of Engineering Examination (2019)
- NCEES Principles and Practice of Engineering Examination (2019)

Memberships/Societies

- American Society of Mechanical Engineers
- National Association of Professional Accident Reconstruction Specialists
- Society of Automotive Engineers