

JESSICA A. GALL
CURRICULUM VITAE

EDUCATION

B.S.	Biomechanical Engineering Marquette University Milwaukee, Wisconsin	2003
M.S.	Biomedical Engineering Wayne State University Detroit, Michigan	2024

POST GRADUATE STUDIES:

Bridge Graduate Certificate in Injury Biomechanics Wayne State University Detroit, Michigan	2024
Traffic Accident Reconstruction I & II Northwestern University Traffic Institute Evanston, Illinois	2017

PROFESSIONAL EXPERIENCE

Project Engineer Biodynamic Research Corporation San Antonio, Texas	2016-Present
MGA Research Corporation Burlington, Wisconsin Anthropomorphic Test Device (ATD) Lab Manager Project Engineer Quality Manager	2003-2016
Marquette University Milwaukee, Wisconsin Research Assistant	2003-2003
Food and Drug Administration Washington, DC Intern	2002-2002

PROFESSIONAL AFFILIATIONS

Society of Automotive Engineers Member of Dummy Testing Equipment Subcommittee	2009-Present
National Mobility Equipment Dealers Association	2005-2016
Stapp Car Crash Conference	2005-2015, 2019

PUBLICATIONS

Journal of Biomedical Optics -- April 2003 -- Volume 8, Issue 2, pp. 206-215
“Reflectance-based Determination of Optical Properties in Highly Attenuating Tissues”.

NHTSA Docket No. 25442-6, “Repeatability and Reproducibility Analysis of the SID-II's Build Level D Dummy in the Certification Test Environment”.

NHTSA Docket No. 25442-9, “Overload Structural Integrity of the SID-II's Build Level D Dummy”.

SAE Paper #2005-01-0742, “FMVSS 214 Dynamic NPRM - An Overview of the New Procedure and Vehicle Design Changes”.

Gall, J., Martinez, J., Watson, R., and Gwin, L. P. ‘Frontal Crash Testing of a Class V Lift Truck’ *ASME Open J. Engineering* ASME. January 2024.

Gall, J., Scott, W.R., Bonugli, E., Watson, R.A. et al., “Validation of the Use of Quasistatic Force Deformation Measurements for Determining Collision Force in Low-Speed Override/Underride Collisions,” SAE Technical Paper 2025-01-5018, 2025.

CERTIFICATIONS

Crash Data Retrieval Analysis and Applications	2021
Crash Data Retrieval (CDR) Technician	2019
FARO Laser Scanner	2018
Center for Creative Leadership: Leadership Training “Maximizing Your Leadership Potential”	2015
A2LA Introduction to Measurement Uncertainty	2014
ASTM Corrosion Testing: Application and Use of Salt Fog, Humidity, Cyclic, and Gas	2009
SAE Side Impact Occupant Safety and CAE	2008
A2LA ISO 17025 Training	2004
A2LA Uncertainties Measurement Workshop	2004