

JESSICA A. GALL

CURRICULUM VITAE

EDUCATION

B.S.	Biomechanical Engineering Marquette University Milwaukee, Wisconsin	2003
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POST GRADUATE STUDIES:

Master's in Biomedical Engineering – Injury Biomechanics Wayne State University Detroit, Michigan	2022-Present
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Bridge Graduate Certificate in Injury Biomechanics Wayne State University Detroit, Michigan	2024
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Traffic Accident Reconstruction I & II Northwestern University Traffic Institute Evanston, Illinois	2017
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PROFESSIONAL EXPERIENCE

Engineer III Biodynamic Research Corporation San Antonio, Texas	2016-Present
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MGA Research Corporation Burlington, Wisconsin Anthropomorphic Test Device (ATD) Lab Manager Project Engineer Quality Manager Purchaser of Critical Capital Investments	2003-2016
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Marquette University Milwaukee, Wisconsin Research Assistant	2003-2003
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Food and Drug Administration Washington, DC Intern	2002-2002
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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-IIs Build Level D Dummy in the Certification Test Environment”.

NHTSA Docket No. 25442-9, “Overload Structural Integrity of the SID-IIs 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, Scott, W.R., Bonugli, E., Watson, R.A, Fischer, P. “Validation of the Use of Quasistatic Force Deformation Measurements for Determining Collision Force in Low-Speed Override/Underride Collisions.” SAE Automotive 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