

JESSICA A. GALL

CURRICULUM VITAE

EDUCATION

B.S. Biomechanical Engineering 2003
 Marquette University
 Milwaukee, Wisconsin

POST GRADUATE STUDIES:

Master's in Biomedical Engineering – Injury Biomechanics 2022-Present
Wayne State University
Detroit, Michigan

Bridge Graduate Certificate in Injury Biomechanics 2024
Wayne State University
Detroit, Michigan

Traffic Accident Reconstruction I & II 2017
Northwestern University Traffic Institute
Evanston, Illinois

PROFESSIONAL EXPERIENCE

Engineer III 2016-Present
Biodynamic Research Corporation
San Antonio, Texas

MGA Research Corporation 2003-2016
Burlington, Wisconsin
 Anthropomorphic Test Device (ATD) Lab Manager
 Project Engineer
 Quality Manager
 Purchaser of Critical Capital Investments

Marquette University 2003-2003
Milwaukee, Wisconsin
Research Assistant

Food and Drug Administration 2002-2002
Washington, DC
Intern

PROFESSIONAL AFFILIATIONS

Society of Automotive Engineers 2009-Present
Member of Dummy Testing Equipment Subcommittee

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”.

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