

JESSICA A. GALL

CURRICULUM VITAE

EDUCATION

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

POST GRADUATE STUDIES:

Certificate in Impact Biomechanics 2022 – Present
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 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”.

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