



**D E S I G N
R E S E A R C H
E N G I N E E R I N G**

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Anna Lusk, M.S.B.E **Senior Project Engineer**

Professional Specialization

Areas of expertise include occupant protection and vehicle safety, biomedical engineering, design analysis and investigations.

Education

International Center for Automotive Medicine (ICAM) Ann Arbor, MI Fellowship	Mar 2021-Jun 2022
Massachusetts Institute of Technology Architecture and Systems Engineering Certificate	Sep 2018 – Mar 2019
Wayne State University Detroit, MI M.S. Biomedical Engineering, Transportation-Related Trauma Specialty	2007
Kettering University (formerly GMI) Flint, MI B.S. Mechanical Engineering, Bioengineering Concentration Minor: Applied Mathematics	2005
Fachhochschule Konstanz - University of Applied Sciences, Konstanz, Germany Study Abroad Program	Apr-Jun 2005

Certifications

Child Passenger Safety Technician Certification
Bosch Crash Data Retrieval Certification
Design for Six Sigma (DFSS) Green Belt and Black Belt Certification

Professional Experience

Design Research Engineering, Senior Project Engineer	Mar 2026 – present
General Motors Remote/Warren, MI Occupant Protection Lead Systems Engineer, May 2021-Mar 2026 Occupant Protection Systems Engineering Domain Owner, Feb 2019-May 2021 Occupant Protection Systems Engineer, Jun 2016-May 2021 Safety Forensic Engineer, Jun 2015-Jun 2016	Jun 2015 – Mar 2026
Fiat Chrysler Automobiles, LLC, Auburn Hills, MI Side Airbag Product Design Release Engineer	Nov 2012 – Jun 2015
Autoliv North America Auburn Hills, MI Global Ford Side Airbag and Roof Rail Airbag Engineer, Nov 2011-Nov 2012 Dynamic Test Labs Supervisor, Jan 2010-Nov 2011 Systems Optimization Engineer, Sep 2005-Jan 2010 Engineering Co-op Student, Sep 2001-Sep 2005	Sep 2001 – Nov 2012

Anna Lusk, M.S.B.E

Publication / Patents

- U.S. Patent 12,257,973: “Haptic Cues to Help Locate Seat Controls and Belt Buckles”, Aug 25, 2022 (with A. Kamran, D. K. Grimm, A. D.M. del Mar)
- U.S. Patent 10,981,529 B2: “Energy Absorption Device for an Occupant in Vehicle Seat,” Apr 20, 2021 (with J. Kim, B. Putala)
- Defensive Publication, Research Disclosure 679082, “Membrane(s) and Airbag(s) with Unique Seating Positions,” Oct 15, 2020 (with J. Kim, B. Putala)
- U.S. Patent 8,407,968 B2, “Methods of Packaging an Inflatable Airbag Cushion including a Wrapper and Deployment Flap,” Apr 2, 2013 (with M. Lachat, H. Lusk, J. Benny, L. Bond)
- U.S. Patent 8,272,664 B2, “Airbag Lateral Flap,” Sep 25, 2012 (with J. Benny, M. Lachat, B. Lusk)
- U.S. Patent 7,845,682 B2, “Airbag Cushion Folding Methods,” Dec 7, 2010 (with M. Lachat, H. Lusk, J. Benny, J. Bator, L. Rose, M. P. Russell, J. D., Williams, R. Tree)
- U.S. Patent 7,695,012 B2, “Airbag Systems with a Split Pocket,” Apr 13, 2010 (with K. Brouwer)

Professional Activities

Attend International Center for Automotive Medicine (ICAM) Case Reviews	2006 – 2026
Safe Kids Worldwide volunteer	2017 – present
Attend Advances in Child Injury Prevention Conferences (annually)	2007 – 2021
Attend Reliability and Maintainability Symposiums (RAMS)	2017 – 2020
FCA Safety Co-op program, lead and mentor	2013 – 2015

