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JENNIFER L. ODEBRALSKI, M.Eng.
STAFF CONSULTANT

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Ms. Odebralski is a degreed Safety and Mechanical Engineer with over 12 years of forensic science experience with Engineering Systems Inc. (ESi), located in Ft. Myers, Florida. Ms. Odebralski's professional experience involves projects relating to premises safety, slip, trip and falls, product liability, human factors analysis, mechanical design, product research and testing, hazard analysis, and automotive and marine accident reconstruction. She specializes in safety and risk assessment relating to consumer products, premises safety and systems safety. In addition, she has conducted research and testing related to product safety analysis and human factors studies.

Areas of Specialization

Slips, Trips, and Falls
Industrial, Workplace and Premises Safety
Risk Assessment and Hazard Analysis
Human Factors
Product Safety
Product Design / Testing
Automotive and Marine Accident Investigation/Reconstruction
Automotive Design

Education

M.Eng., Advanced Safety Engineering and Management, University of Alabama-Birmingham, 2017

Course Work Included:

Engineering Ethics and Acceptable Risk
Human Performance and Engineering Design
Hazard Analysis and Waste Elimination
Engineering Risk
Risk Analysis
Policies and Safety Regulations (OSHA)
Prevention through Design
Occupational Safety and Health Management Systems

B.S., Mechanical Engineering, University of Detroit-Mercy, 2006

Continued Education

NFSI Walkway Auditor Certificate Holder (WACH)
Southlake, TX September 2020

OSHA 30hr Outreach Training – General Industry
Fort Myers, FL June 2018

Certified XL Tribometrist (CXLT), Excel Tribometers, LLC
New Orleans, LA January 2018

Human Factors in Traffic Crash Reconstruction, Institute of Police Technology and Management
Fort Myers, FL October 2017

Premises Safety Training- Slip Trip and Fall /Tribometer Training
Fort Myers, FL June 2014

Accident Reconstruction I, Northwestern University Center for Public Safety
Online May 2014

Introduction to Marine Accident Investigation, American Boat & Yacht Council (ABYC)
Ashburn, VA October 2011

Crash Investigation I Northwestern University Center for Public Safety
Online July 2010

3ds Max Design Fundamentals
Boca Raton, FL May 2009

Occupant and Vehicle Kinematics in Rollovers, Society of Automotive Engineers
Fort Myers, FL January 2009

Professional Affiliations/Honors

American Society for Testing and Materials (ASTM) International

Member, Committee F13 – Pedestrian/Walkway Safety and Footwear

Subcommittee Member F13.10 – Traction

Subcommittee Member F13.30 – Footwear

Subcommittee Member F13.40 – Research

Subcommittee Member F13.50 – Walkway Surfaces

Member, Committee E23 – Personal Protective Equipment

Subcommittee Member F23.60 – Human Factors

Member, Committee F15 – Consumer Products

Subcommittee Member F15.29 – Playground Equipment for Public Use

Subcommittee Member F15.09 – Home Playground Equipment

Subcommittee Member F15.22 – Toy Safety

Member, Committee F25 – Ships and Marine Technology

Subcommittee Member F25.07 – General Requirements



National Flooring Safety Institute (NFSI)

Subcommittee Member NFSI B101.9 developed standard for “Identification and Elimination of Interior and Exterior Trip Hazards on Walking Surfaces, Stairs, and Ramps.”

Society of Automotive Engineers (SAE)

Member

American Society of Mechanical Engineers (ASME)

Member

Positions Held

Engineering Systems Inc., Ft. Myers, Florida

Staff Consultant, 2007 – Present

Ford Motor Company, Dearborn, Michigan

Design Engineer, 1999 – 2007

National Technical Systems, Detroit, Michigan

Engineering Intern, Summer 1999

Publications/Presentations

“Risk Acceptance and Root Cause Analysis for Recreational Products and Activities”,
Sports & Fitness Industry Association (SFIA) Summit
Phoenix, Arizona, April 2014

Miscellaneous

Florida Boating Safety Course, 2007

SDI Rescue Diver Certification, 2004

SDI Advanced Diver Certification, 2003

SDI Open Water SCUBA Diver Certification, 2001