



Jared Frantz, M.S.E., CHFP

Senior Consultant

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Background

Mr. Jared Frantz is a Certified Human Factors Professional who specializes in human factors/ergonomics, warnings, and product, occupational, and premises safety. He holds a B.S.E. and M.S.E. from the University of Michigan in Industrial and Operations Engineering and continuing product safety training through St. Louis University.

Mr. Frantz teaches a safety management course in the College of Engineering at the University of Michigan. His research and teaching include product and occupational safety, risk assessment and communication, human factors in accident causation, and assessment of walking surfaces.

Mr. Frantz has extensive experience developing and evaluating warnings and safety symbols for a wide variety of consumer and commercial products. He has been involved in the development of national standards for product warnings and is a member of the American National Standards Institute (ANSI) Z535.4 Subcommittee on Product Safety Signs and Labels and Z535.7 Subcommittee on Product Safety Information in Electronic Media.

University Activities

- **University of Michigan – Ann Arbor, Department of Industrial and Operations Engineering**
 - Primary Course Instructor, IOE 438 Occupational Safety Management, 2021-Present
 - Graduate Student Instructor to Dr. Diebol, IOE 438 Occupational Safety Management, 2015
 - Teaching Assistant to Dr. Diebol, IOE 438 Occupational Safety Management, 2014

Professional Experience

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| • Rimkus | 2021 – Present |
| • Senior Consultant | |
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• Applied Safety and Ergonomics, Inc. |
2010 – 2021 |

Education and Certifications

- **Certified XL Tribometrist (CXLT):** Excel Tribometers LLC Certified XL Tribometrist Certification Program (2022)
- **Certified Human Factors Professional (CHFP):** Board of Certification in Professional Ergonomics, Inc. (2019)
- **Industrial and Operations Engineering, M.S.E.:** University of Michigan – Ann Arbor (2015)
- **Industrial and Operations Engineering, B.S.E.:** University of Michigan – Ann Arbor (2014)

Instruction for Continuing Education Programs

- Hall, S.M. and Frantz, J. (2024). **“Case Studies in Human Factors,”** 2024 Consumer Product Safety Professional Certification Program, Society of Product Safety Professionals and Virginia Tech Continuing and Professional Education, September 17, 2024
- Frantz, J. (2024). **“Evaluating Warnings,”** Using Warnings and Instructions to Increase Safety and Reduce Liability, University of Wisconsin – Madison. June 6, 2024.
- Hall, S.M. and Frantz, J. (2023). **“Case Studies in Human Factors,”** 2024 Consumer Product Safety Professional Certification Program, Society of Product Safety Professionals and Virginia Tech Continuing and Professional Education, September 17, 2024
- Frantz, J. (2023). **“Human Factors and Safety: Basic Theory, Case Studies, and Tools,”** 2023 Product Safety Leadership Fundamentals, Society of Product Safety Professionals and University of Michigan Center for Occupational Health and Safety Engineering. June 21, 2023
- **Case Study Review Panel Member.** 2023 Consumer Product Safety Professional Certification Program, Society of Product Safety Professionals and Virginia Tech Continuing and Professional Education.
- Frantz, J. (2023). **“Evaluating Warnings,”** Using Warnings and Instructions to Increase Safety and Reduce Liability, University of Wisconsin – Madison. June 8, 2023.
- Hall, S.M. and Frantz, J. (2023). **“What is Safe? Case Studies in Human Factors,”** 2023 Consumer Product Safety Professional Certification Program, Society of Product Safety Professionals and Virginia Tech Continuing and Professional Education, April 13, 2023.
- Hall, S.M. and Frantz, J. (2022). **“What is Safe? Case Studies in Human Factors,”** 2022 Consumer Product Safety Professional Certification Program, Society of Product Safety Professionals, July 20, 2022.
- Burhans, C. G. and Frantz, J. (2022). **“Evaluating Warnings,”** Using Warnings and Instructions to Increase Safety and Reduce Liability, University of Wisconsin – Madison. June 9, 2022.

Publications

- **Emergency Department Visits From 2014 to 2018 for Head Injuries in Youth Non-Tackle Football Compared With Other Sports.** (2021). Orthopaedic Journal of Sports Medicine, vol. 9, issue 1.
- **Warning Labels Referring to Electronic Information – Combination Safety Symbol, URL, and QR Code as Supplemental Directive.** (2019). Proceedings of the Human Factors and Ergonomics Society 63rd Annual Meeting, pp. 1802-1805.
- **Slip Resistance Assessment of Common Shoe Sole Materials on Selected Floor Surfaces.** (2018). Proceedings of the Human Factors and Ergonomics Society Annual Meeting, vol. 62, 1: pp. 435-439.
- **Tools for Symbol Development – Safety Symbol Response Taxonomy and Graphic Compatibility Verification.** (2017). Proceedings of the Human Factors and Ergonomics Society Annual Meeting, vol. 61, 1: pp. 489-493.

- **Effects of Paint on Slip Resistance of Concrete and Wood Surfaces.** (2016). Proceedings of the XXVIIth Annual Occupational Ergonomics and Safety Conference. Chicago, IL. June 9-10, 2016.
- **Comparison of Floor Surface Test Results from the English XL and BOT-3000E Tribometers.** (2016). Proceedings of the XXVIIth Annual Occupational Ergonomics and Safety Conference. Chicago, IL. June 9-10, 2016.

Presentations

- **Lecture: When Hazards Are Ubiquitous, Umitigated, and Accepted – Methods for Analyzing Residual Risk.** Human Factors and Ergonomics Society Midwest Regional Meeting. Purdue University. April 11, 2025.
- **Poster: ANSI Z535.7 and Beyond – New Standard for Safety Information in Electronic Media.** International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium. Orlando, FL. February 19-22, 2025.
- **Webinar: Product Instructions: Advanced FAQs.** Society of Product Safety Professionals. September 18, 2024.
- **Poster: Consumer Expectations for Owner's Manuals – Safety Information and Online Availability.** International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium. Orlando, FL. February 19-22, 2024.
- **Panel Discussion: Communicating with Consumers Through AI and Digital Safety Information.** International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium. Orlando, FL. February 21, 2024.
- **Panel Discussion: Recreational Products – Navigating Global Compliance and Safety Issues.** Defense Research Institute Product Liability Conference. Denver, CO. February 9, 2024.
- **Webinar: Presenting Safety Information in Instructions and Electronic Media.** Society of Product Safety Professionals. November 8, 2023.
- **Webinar: What You Need to Know: Upcoming Standard for Digital Safety Information and Other ANSI Z535 Updates.** Defense Research Institute (DRI). January, 2023.
- **Guest Lecture: Case Study in Warnings Evaluation.** IOE 101 Career Talks. University of Michigan College of Engineering. Ann Arbor, MI. September 16, 2022.
- **Webinar: American National Standards Institute (ANSI) Z535 Updates: News from the 2021 Committee Meetings.** Defense Research Institute (DRI). June 7, 2021.
- **Poster: Xenith Non-Tackle Football Headgear Presents Safety Information About Protective Limitations.** 4th Annual Chronic Traumatic Encephalopathy Conference. Boston, MA. November 14-15, 2019.
- **Poster: Xenith Presents Safety Messages Using Multi-Channel Approach.** 3rd Annual Chronic Traumatic Encephalopathy Conference. Boston, MA. October 24-25, 2018.
- **Slip Resistance Assessment of Common Shoe Sole Materials on Selected Floor Surfaces.** 62nd Annual Meeting of the Human Factors and Ergonomics Society. Philadelphia, PA. October 3, 2018.
- **Guest Lecture: Safety Symbol Development.** IOE 438 Safety Management, University of Michigan College of Engineering. Ann Arbor, MI. January 16, 2018.
- **Tools for Symbol Development – Safety Symbol Response Taxonomy and Graphic Compatibility Verification.** 61st Annual Meeting of the Human Factors and Ergonomics Society. Austin, TX. October 11, 2017.
- **Guest Lecture: Safety Symbol Development.** IOE 438 Safety Management, University of Michigan College of Engineering. Ann Arbor, MI. January 23, 2017.

Conferences and Professional Meetings

- **ANSI Committee Z535 on Safety Signs and Colors Meeting.** Arlington, VA. April 23, 2025.
- **Human Factors and Ergonomics Society Midwest Regional Meeting.** Purdue University. April 11, 2025.
- **Defense Research Institute Product Liability Conference.** Denver, CO. February 19-20, 2025.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Orlando, FL. February 17-18, 2025.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Orlando, FL. February 19-22, 2024.
- **Defense Research Institute Product Liability Conference.** Denver, CO. February 7-9, 2024.
- **ANSI Committee Z535 on Safety Signs and Colors Meeting.** Virtual. April 17, 2023.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Orlando, FL. February 20-23, 2023.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** National Harbor, MD. February 16, 2022.
- **ANSI Committee Z535 on Safety Signs and Colors Meeting.** Virtual. February 17-18 & March 4, 2021.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Virtual. February 22-25, 2021.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Orlando, FL. February 18-20, 2020.
- **ANSI Committee Z535 on Safety Signs and Colors Meeting.** Orlando, FL. February 17, 2020.
- **4th Annual Chronic Traumatic Encephalopathy Conference.** Boston University School of Medicine. Boston, MA. November 14-15, 2019.
- **Mind, Body, & Spirit – Treating the Entire Athlete: An Evidence-Based Approach to Sports Medicine and Concussion Prevention.** University of Michigan Injury Prevention Center. Ann Arbor, MI. May 30-31, 2019.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Washington, DC. February 25-28, 2019.
- **3rd Annual Chronic Traumatic Encephalopathy Conference.** Boston University School of Medicine. Boston, MA. October 24-25, 2018.
- **62nd Annual Meeting of the Human Factors and Ergonomics Society.** Philadelphia, PA. October 1-4, 2018.
- **Sports & Fitness Industry Association Business & Risk Management Summit.** Indianapolis, IN. April 16-17, 2018.
- **American Football Coaches Association Convention.** Charlotte, NC. January 7-8, 2018.
- **61st Annual Meeting of the Human Factors and Ergonomics Society.** Austin, TX. October 9-12, 2017.
- **International Consumer Product Health and Safety Organization Annual Meeting and Training Symposium.** Orlando, FL. February 20-23, 2017.
- **Defense Research Institute Product Liability Conference.** Las Vegas, NV. February 8-10, 2017.
- **International Consumer Product Health and Safety Organization.** Annual Meeting and Training Symposium. Orlando, FL. February 23-26, 2015.
- **Society of Automotive Engineers 2015 World Congress & Exhibition.** Detroit, MI. April 21-23, 2015.
- **58th Annual Meeting of the Human Factors and Ergonomics Society.** Chicago, IL. October 27-31, 2014.

Professional Affiliations and Memberships

- **American National Standards Institute (ANSI)**
 - Voting Member of ANSI Committee Z535 on Safety Signs and Colors, Representative for American Society of Safety Professionals
 - Member of ANSI Z535.4 Subcommittee on Product Safety Signs and Labels
 - Member of ANSI Z535.7 Subcommittee on Product Safety Information in Electronic Media
- **American Society of Safety Professionals (ASSP)**
- **Human Factors and Ergonomics Society (HFES)**
- **International Consumer Product Health and Safety Organization (ICPHSO)**
- **Society of Product Safety Professionals (SPSP)**

Continuing Education

- **Barrier Removal & the ADA Including Universal Design Principles:** University of Michigan (2017)
- **Certificate in Advanced Accident Reconstruction Utilizing Human Factors Research:** Northwestern University (2015)
- **Certificate in Regulatory Compliance:** Saint Louis University (2014)
- **Certificate in Product Safety Management:** Saint Louis University (2014)