

ISE FACULTY / *STUDENT PRESENTATIONS 2021

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Dr. Ayca Erdogan

Human Trafficking and Modern Slavery Allegations in Global Supply Chains and Response Analysis

Kezban Yagci Sokat , Ayca Erdogan , San Jose State University, USA ; Nezh Altay , DePaul University, USA (2021). , INFORMS Annual Meeting, October 24-27, Anaheim, CA

- Dr. Anil Kumar

Is Remote Human Factors Testing an Acceptable Approach for Human Factors Validation?

Kumar, A.R , Cluff, K., and McLeroy, T., (2021). Proceedings of the 2021 International Symposium on Human Factors and Ergonomics in Health Care. April 12 -16, 2021. Virtual Symposium

- Dr. Hongrui Liu

Application of Value Stream Mapping in Supply Chain: A Case Study on an Amazon Retail

H. Liu, (2021). Proceedings of 2021 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Virtual, December 2021

Designing a Deceptive Comment Detection Platform with a Rule-based Artificial Intelligent Architecture

A. Toplu*, **H. Liu**, (2021). Proceedings of 2021 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Virtual, December 2021.

Accidents Analysis and Severity Prediction Using Machine Learning Algorithms

R. R. Shetty*, **H. Liu**, (2021). Proceedings of 2021 INFORMS Conference on Service Science (ICSS), Live and All-Virtual, August 2021

A Comparative Study of Machine Learning Models in Predicting Energy Consumption

A. Perez-Cano*, **H. Liu**, (2021). Proceedings of 2021 INFORMS Conference on Service Science (ICSS), Live and All-Virtual, August 2021.

- Dr. Gaojian Huang

Driver-Vehicle Interaction: The Effects of Physical Exercise and Takeover Request Modality on Automated Vehicle Takeover Performance between Younger and Older Drivers

Huang, G., & Pitts, B. J. (2021).. In *2021 IEEE 2nd International Conference on Human-Machine Systems (ICHMS)* (pp. 1-4). IEEE <https://doi.org/10.1109/ICHMS53169.2021.9582642> Oral presentation given at the 2nd IEEE International Conference on Human-Machine Systems. Magdeburg, Germany (Virtual). September.

Automated Vehicle Takeover: A Pilot Study on the Effects of Age, Physical exercise, and Takeover Request Modality on Post-takeover Performance.

Huang, G., & Pitts, B. J. (2021). In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. . Oral presentation given at the 65th International Annual Meeting of the Human Factors and Ergonomics Society. Baltimore, MD. October.

Non-Chronological Age Factors and Self-perceived Driving Abilities: A Survey Study of Autonomous Vehicle Acceptance

Huang, G., Hung, Y. H., Proctor, R. W., & Pitts, B. J. (2021). *Technology, Mind, and Behavior*. Oral presentation given at the 2021 *Technology, Mind and Society Conference*. (Virtual). November.

- **Dr. Louis Freund**

A Proposed Roadmap to Close the Gap Between Undergraduate Education and STEM Employment Across Industry Sectors

Moghaddam Y, Kwan S, Freund L, and Spohrer J, A (2021). AHFE 2021 Virtual Conference, July 2021; Proceedings of The Human Side of Service Engineering Conference, Springer, NY

The Human-Side of Service Engineering: Advancing Technology's Impact on Service Innovation

Cellary W, Freund L, Kwan S, Leightner C, Spohrer J, (2021). AHFE 2021 Virtual Conference, July 2021; Proceedings of The Human Side of Service Engineering Conference, AHFE 2021, Springer, NY.

- **Mr. Dan Rosenberg**

The Magic of Semantic Interaction Design

Rosenberg D, (2021, Keynote presentation to **SaleForce.com DESIGN DAYS 2021**, virtual event focused on design community in India.

The conceptual model foundation of IxD

Rosenberg, D. (2021).. HCI International Conference 2021. July 26.

Game Theory for Interaction Design

Rosenberg, D. (2021).. HCI International Conference 2021. July 27.

The magic of semantic IxD

Rosenberg, D. (2021). World Class Design Conference. (Africa – Intercontinental Event streamed event)