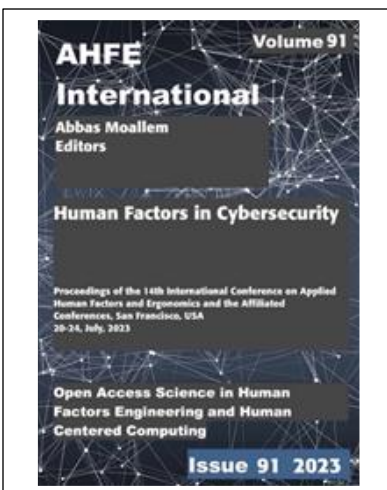
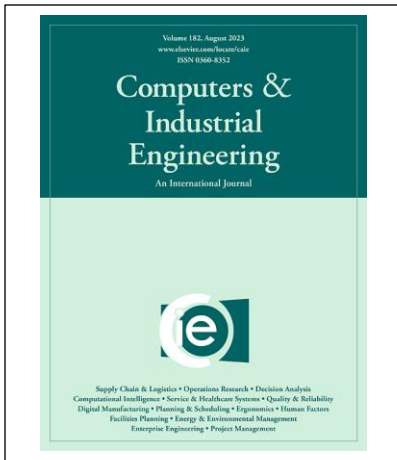


ISE FACULTY / *STUDENT PUBLICATIONS

SPRING 2023 – SPRING 2024

REFEREED JOURNALS / BOOKS



Computers in Industrial Engineering

Dessouky, Y, Editor-in-Chief, Elsevier. Cite score: 11.9. The Impact Factor of this journal is 7.9, CAIE Cite score puts it in the 97th percentile of 262 engineering journals.

Prediction of State of Health of Lithium-Ion Battery Using Health Index Informed Attention Model
Wei, Yupeng, Sensors 23.5 (2023): 2587.

Remaining useful life prediction of bearings with attention-awared graph convolutional network
Wei, Yupeng, and Dazhong Wu, Advanced Engineering Informatics 58 (2023): 102143.

Data-Driven Online Prediction of Discharge Capacity and End-of-Discharge of Lithium-ion Battery
Shi, Junchuan, Yupeng **Wei**, and Dazhong Wu, Journal of Computing and Information Science in Engineering (2023): 1-14.

Model-based real-time prediction of surface roughness in fused deposition modeling with graph convolutional network-based error correction

Wei, Yupeng, and Dazhong Wu, Journal of Manufacturing Systems 71 (2023): 286-297.

Conditional variational transformer for bearing remaining useful life prediction

Wei, Yupeng, and Dazhong Wu, Advanced Engineering Informatics 59 (2024): 102247.

Remaining useful life prediction using graph convolutional attention networks with temporal convolution-aware nested residual connections

Wei, Yupeng, Dazhong Wu, and Janis Terpenny, Reliability Engineering & System Safety 242 (2024): 109776.

State of health and remaining useful life prediction of lithium-ion batteries with conditional graph convolutional network

Wei, Yupeng, and Dazhong Wu, Expert Systems with Applications 238 (2024): 122041.

Sheet resistance prediction of laser induced graphitic carbon with transformer encoder-enabled contrastive learning

Wei, Yupeng, Gerd Grau, and Dazhong Wu, Journal of Intelligent Manufacturing (2024)

What Changes the Travel Pattern: A National Survey on the Impacts of the COVID-19 Pandemic on Older Adults' Public Transportation Usage

Etu, E. E., Sureshbabu, K., Summerville, S., Parmar, A., & **Huang, G.** (2023).. *Journal of Transport & Health*. <https://doi.org/10.1016/j.jth.2023.101718>

Drinking and Driving: A Systematic Review of the Impacts of Alcohol Consumption on Manual and Automated Driving Performance.

Dong, M., Lee, Y., Cha, J., & **Huang, G.** (Accepted). *Journal of Safety Research*.

Driving Aggressively or Conservatively? Investigating the Effects of Automated Vehicle Interaction Type and Road Event on Drivers' Trust and Preferred Driving Style.

Lee, Y., Dong, M., Krishnamoorthy, V., Akash, K., Misu, T., Zheng, Z., & **Huang, G.** (2023). *Human Factors*. <https://doi.org/10.1177/00187208231181199>

Smart Speech Systems: A Focus Group Study on Older Adult User and Non-User Perceptions of Speech Interfaces. Werner, L., **Huang, G.**, & Pitts, B. J. (2023). *International Journal of Human-Computer Interaction*. <https://doi.org/10.1080/10447318.2022.2050541>

The future of mobility-as-a-service: trust transfer across automated mobilities, from road to sidewalk,

Hunter, J.G., Ulwelling, E., Konishi, M., Michelini, N., Modali, A., Mendoza, A., Snyder, J., Mehrotra, S., Zheng, Z., **Kumar**, A.R. and Akash, K. (2023), *Frontiers in Psychology*, 14, p.1129583

Ethics in the Age of Disruptive Technologies – An Operational Roadmap, Flahaux, J. (2023), The Markkula Center for Applied Ethics, ITEC, and Santa Clara University, Santa Clara, CA 95053 <https://www.scu.edu/institute-for-technology-ethics-and-culture/itec-book-pdf/>

Human Factors in Cybersecurity, Editor: **Abbas Moallem**, Publication Date: 2023, ISBN: 978-1-958651-67-4, DOI: [10.54941/ahfe1003993](https://doi.org/10.54941/ahfe1003993)

Proceedings of 5th International Conference, HCI-CPT 2023, HCI for Cybersecurity, Privacy and Trust. Springer, Edited by **Abbas Moallem** <https://link.springer.com/book/10.1007/978-3-031-35822-4>

Handbook: Human-Computer Interaction: Foundations, Advances, Methods, Technologies and Applications, 6-Book Set, Taylor & Francis Chapter 14, Dashboard Design

Very-Short-Term Solar Forecasting Considering Frequency Patterns, H. Panamtaash*, S. Mahdavi*, Q. Z. Sun, G-J Qi, **H. Liu**, A. Dimitrovski, IEEE Open Access Journal of Power and Energy, vol. 10, pp. 517-527, 2023, DOI: [10.1109/OAJPE.2023.3294457](https://doi.org/10.1109/OAJPE.2023.3294457)

Weakly Supervised Semantic Segmentation of Histological Tissue via Attention Accumulation and Pixel-level Contrast Learning, Y. Han, L. Cheng, G. Huang, G. Zhong, J. Li, X. Yuan, & **H. Liu**, *Physics in Medicine & Biology*, Vol. 68, No. 4, Feb. 2023, DOI [10.1088/1361-6560/acacee](https://doi.org/10.1088/1361-6560/acacee)