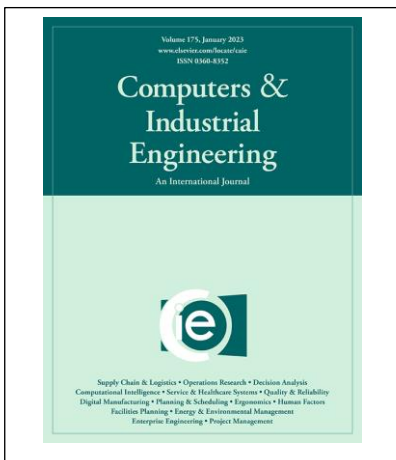


# ISE FACULTY / \*STUDENT PUBLICATIONS

SPRING 2022 – SPRING 2023

## REFEREED JOURNALS / BOOKS



### **Computers in Industrial Engineering**

**Dessouky, Y**, Editor-in-Chief, Elsevier. Cite score: 7.9, Impact Factor: 5.431, ranking it 21 out of 112 in *Computer Science, Interdisciplinary Applications*

### **HCI for Cybersecurity, Privacy, and Trust**

**Moallem, A (Editor), (2022)**, 4th International Conference, HCI-CPT 2022, [Available from Springer](#).

### **Bearing remaining useful life prediction using self-adaptive graph convolutional networks with self-attention mechanism**

**Wei, Y**, Dazhong Wu, and Janis Terpeny. Mechanical Systems and Signal Processing 188 (2023): 110010

### **Prediction of state of health and remaining useful life of lithium-ion battery using graph convolutional network with dual attention mechanisms**

**Wei, Y**, and Dazhong Wu. Reliability Engineering & System Safety 230 (2023): 108947. (**Impact factor: 7.247**)

### **Convolutional Long-Short Term Memory Network with Multi-Head Attention Mechanism for Traffic Flow Prediction**

**Wei, Y**, and Hongrui Liu. Sensors 22.20 (2022): 7994.

### **Material removal rate prediction in chemical mechanical planarization with conditional probabilistic autoencoder and stacking ensemble learning**

**Wei, Y**, and Dazhong Wu. Journal of Intelligent Manufacturing (2022): 1-13.

### **Constructing Robust and Reliable Health Indices and Improving the Accuracy of Remaining Useful Life Prediction**

**Wei, Y**, Dazhong Wu, and Janis Terpeny. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems 5.2 (2022): 021009.

### **To Inform or to Instruct? An Evaluation of Meaningful Vibrotactile Patterns to Support Automated Vehicle Takeover Performance**

**Huang, G.**, & Pitts, B. J. (2022). . IEEE Transactions on Human-Machine Systems. <https://doi.org/10.1109/THMS.2022.3205880>

### **In-Vehicle Human Machine Interface: Investigating the Effects of Tactile Displays on Information Presentation in Automated Vehicles**

Martinez, K. D., & **Huang, G.** (2022). IEEE Access. <https://doi.org/10.1109/ACCESS.2022.3205022>

### **Age is more than just a number: The relationship among age, non-chronological age factors, self-perceived driving abilities, and autonomous vehicle acceptance**

**Huang, G.**, Hung, Y. H., Proctor, R. W., & Pitts, B. J. (2022). Accident Analysis and Prevention. <https://doi.org/10.1016/j.aap.2022.106850>

### **Quaternion-valued Correlation Learning for Few-Shot Semantic Segmentation**

Z. Zheng, G. Huang, X. Yuan, C.-M. Pun, **H. Liu**, & B. Ling (202), IEEE Transactions on Circuits and Systems for Video Technology, 2

### **A Control Framework to Enable a Commercial Building HVAC System for Energy and Regulation Market Signal Tracking**

W. Wang, G. Tian, Q. Z. Sun, **H. Liu**, (2022) IEEE Transactions on Power Systems

### **Application of Value Stream Mapping in E-Commerce: A Case Study on an Amazon Retailer**

Y. Qin\*, **H. Liu** (2022), Sustainability; 14(2):713.

### **Trust in Shared Automated Vehicles: Study on Two Mobility Platforms**

Mehrotra, S., Hunter, JG. Konishi, M., Akash, K., Zheng, Z., Misu, T., **Kumar, A.**, Reid, T., and Jain. N. (2023), No. TRBAM-23-04456

