

ISE Faculty / *Student Publications
Fall 2019 – Spring 2021

Refereed Journals / Books



Multi-AGV scheduling for conflict-free path planning in automated container terminals

Zhong, M, Yang, Y, Dessouky, Y, and Postolache, O (2020), Computers and Industrial Engineering, 142.

Practical Mathematical Methods for Political Redistricting and Competitive and Fair Elections

H. Liu, S. A. Erdogan, R. Lin, H. J. Tsao, (2020). Computers and Industrial Engineering, Volume 140, February

A Creative Computing Approach to Film-story Creation: A Proposed Theoretical Framework.

Liu H, Liu H, Yang H, and Yu E, (2020). International Journal of Automation and Computing, 17, 678–690 <https://doi.org/10.1007/s11633-020-1238-8>

Healthcare handoffs among lay caregivers

Chastain, J ; Kumar AR, & Nathan-Roberts, D (2021), International Journal for Quality in Health Care, Volume 33, Issue 1, mzab012, <https://doi.org/10.1093/intqhc/mzab012>

Civilian pepper spray for self-defense: Understanding user perception and impact of design on user performance

Strybel, D., & Kumar, AR. (2020).. International Journal of Industrial Ergonomics, 80, 103059. <https://doi.org/10.1016/j.ergon.2020.103059>

Evaluating Medical Devices Remotely: Current Methods and Potential Innovations

McLaughlin, AC., DeLucia, PR, Drews, FA, Vaughn-Cooke, M, Kumar, A, Nesbitt, RR., & Cluff, K. (2020).. Human Factors, 62(7), 1041-1060. <https://doi.org/10.1177/0018720820953644>

Healthcare handoffs among lay caregivers

Werner, N.E., Tong, M., Nathan-Roberts, D., Smith, C., Tredinnick, R., Ponto, K., Melles, M., Hoonakker, P. (2020), Patient Experience Journal, 7:1.

A Method for Balancing Provider Schedules in Outpatient Specialty Clinics

Berg, B. P., Erdogan, S. A., Lobo, J., & Pendleton, K. (2020). MDM Policy & Practice, 5(2).

Provider Scheduling to Maximize Patient Access

Lobo, J.M., Kang, H., Erdogan, S.A., Berg, B.P., Schenkman, N.S., Culp, S.H., Krupski, T.L., (2019), Urology Practice): 10-1097.

UX Magic: Semantic IxD

Rosenberg, D, (2020) Interaction Design Foundation, Aarhus, Denmark. Available on Amazon in paperback or Kindle format.

Semantic Interaction Design: A powerful new UX synthesis approach

Rosenberg, D, (2020) Design Management Institute [dmi:review](https://doi.org/10.1002/dmi.1234), Vol. 31, Issue 2. Cambridge, MA.

HCI for Cybersecurity, Privacy, and Trust

Moallem, A, Chapter 43, Handbook of Human Factors and Ergonomics, 5th Edition (Salvendy/Karwowski)

THE HUMAN ELEMENT IN SMART AND INTELLIGENT SYSTEMS SERIES

Moallem, A. (2019 – 2021) Series Editor. Taylor and Francis. CRC Press

