Honghao ZHAO

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Dept/Fields: Decision Sciences

Academic Qualification

Ph.D.: City University of Hong Kong**;** Systems Engineering & Engineering Management**,** 2014

Master: NA, NA;

BS/BA: Tsinghua University**,** Industrial Engineering, 2009

Working Experience

2020 – Present	Associate Professor, School of Business
	Macau University of Science and Technology
2015 - 2020	Assistant Professor, School of Business
	Macau University of Science and Technology
2013 - 2015	Research Assistant,
	City University of Hong Kong

Teaching Activities

Data Mining, Big data, Operations Management.

Research Interest

Data Mining, Statistical Process Control, Statistical Applications in Material Sciences.

Selected Journal Papers

Luo, X.C., **Zhao, H.H.**, Chen, Y. (2022). Research on User Experience of Sports Smart Bracelet Based on Fuzzy Comprehensive Appraisal and SSA-BP Neural Network, Computational Intelligence and Neuroscience, Article Number: 5597662. [SCIE]

Luo, X.C., **Zhao, H.H.** (2021). Promotion Strategy of Policy against Food Waste (PAFW): The Perspective on Evolutionary Game between Local Government and Large Supermarkets, COMPLEXITY, Article Number: 6567902. [SCIE]

Zhao, H.H., Luo, X.C., Ma, R., Lu, Xi. (2021). An Extended Regularized K-Means Clustering Approach for High-Dimensional Customer Segmentation with Correlated Variables, IEEE Access, 9: 48405-48412. [SCIE]

Zhao, G., Wang, Z.J., Wang, H.J., **Zhao, H.H.**, Fu, Y., Yang, J.J. (2019).
Effect of doping nanoparticles on the output force performance of chitosan-based nanocomposite gel actuator, Polymer-Plastics Technology and Materials, 58(9): 967-977. [SCIE]

Fu, Y., Yao, J.J., **Zhao, H.H.**, Zhao, G., Qiu, Y. (2019). Simulation of a bidisperse magnetorheological fluid using the combination of a two-component lattice Boltzmann method and a discrete element approach. Soft Matter, 15: 6867-6877. [SCIE]

Fu, Y., Yao, J.J., **Zhao, H.H.**, Zhao, G., Wan, Z.S. (2018). Forecast for Artificial Muscle Tremor Behavior Based on Dynamic Additional Grey Catastrophe Prediction. Applied Sciences-BASEL, 8(2):   Article Number: 315. [SCIE]

Ma, R., **Zhao, H.H.**, Zhou, L.G.. (2017). Predicting status of Chinese listed companies based on features selected by penalized regression. Journal of Systems Science and Systems Engineering, 26:475-486. [SCIE]

Fan J.Y., Shu, L.J., **Zhao, H.H.**, Yeung H.F. (2017). Monitoring multivariate process variability via eigenvalues. Computers & Industrial Engineering, 113: 269-281. [SCIE]

Zhao, H.H., Shu, L.J., and Tsui, K.-L. (2015). An Adaptive CUSUM Chart for Monitoring Poisson Rates with Increasing Population Sizes. European Journal of Industrial Engineering. 9: 692-715. [SCIE]

Zhao, H.H., Shu, L.J., and Tsui, K.-L. (2015). A Window-Limited Generalized Likelihood Ratio Test for Monitoring Poisson Processes with Linear Drifts. Journal of Statistical Computation and Simulation. 85: 2975-2988. [SCIE]

Jiang, W., Shu, L.J., **Zhao, H.H.**, and Tsui, K.-L. (2013), CUSUM Procedures for Health Care Surveillance. Quality and Reliability Engineering International, 29: 883–897. [SCIE]

Major Conference Papers
Zhao, H.H., Shu, L.J., Jiang, W., and Tsui, K.-L. A Comparison of Detection Probability of CUSUM Procedures under Increasing Population Sizes. Biomedical Engineering and Biotechnology (iCBEB), 2012, Macau.

Other Professional Activities.

Honors/Awards.