

*Curriculum Vitae*

## ZHAO Hong-Hao



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**Dept/Fields:** Decision Sciences

### Academic Qualification

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

**Year of Graduation 2014**

**Master:** NA, NA;

**BS/BA:** Tsinghua University, Industrial Engineering, **Year of Graduation 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.**

List from most current to the past.

### **Honors/Awards.**