

# 姜慧敏



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## 教育背景

2010-2014 博士：香港理工大學，工業與系統工程  
2006-2009 碩士：南開大學，系統工程  
2002-2006 學士：湘潭大學，自動化

## 工作經驗

2020-至今 助理教授/澳門科技大學  
2018-2020 助理教授/深圳大學  
2018 研究員/香港理工大學  
2017-2018 博士後/香港理工大學  
2013-2017 副研究員/香港理工大學

## 教學活動

應用統計；商務統計；電子商務；資訊技術服務管理

## 研究領域

智能建模與優化，人工智能，新產品設計與開發，數據挖掘，消費者動態偏好分析

## 學術成果

期刊論文

**Huimin Jiang, Xianhui Wu, Farzad Sabetzadeh, and Kit Yan Chan (2023).** Developing explicit customer preference models using fuzzy regression with nonlinear structure.

*Complex & Intelligent Systems*, 2023.

**Huimin Jiang**, Farzad Sabetzadeh, and Kit Yan Chan (2023). Developing Nonlinear Customer Preferences Models for Product Design Using Opinion Mining and Multiobjective PSO-Based ANFIS Approach. *Computational Intelligence and Neuroscience*, 2023, 6880172.

**Huimin Jiang**, Farzad Sabetzadeh, Zhijun Lin, and Huajun Tang (2022). Nonlinear time series fuzzy regression for developing explainable consumer preferences models based on online comments. *IEEE Transactions on Fuzzy Systems*, 30(10), 4460-4470.

**Huimin Jiang**, Gaicong Guo, Farzad Sabetzadeh, Kit Yan Chan (2022). Model variational consumer preferences based on online reviews using sentiment analysis and PSO-based DENFIS approaches. *Journal of Intelligent & Fuzzy Systems*, 43(3), 2407-2418.

**Huimin Jiang**, C.K. Kwong, G.E. Okudan Kremerc, and W.Y. Park (2019). Dynamic modelling of customer preferences for product design using DENFIS and opinion mining. *Advanced Engineering Informatics*, 42, 100969.

**Huimin Jiang**, C. K. Kwong, C.Y. Chan and K. L. Yung (2019). A Multi-Objective Evolutionary Approach for Fuzzy Regression Analysis. *Expert Systems with Applications*, 130(2019), 225-235.

**Huimin Jiang**, C.K. Kwong, W.Y. Park and K.M. Yu (2018). A multi-objective PSO approach of mining association rules for affective design based on online customer reviews. *Journal of Engineering Design*, 29(7), 381-403.

#### 學術會議論文

**Huimin Jiang**, and Farzad Sabetzadeh (2022). Defining the Settings of Product Attributes for Product Design Using an Innovative NSGA-II. *2022 International Conference on Frontiers of Artificial Intelligence and Machine Learning (FAIML 2022)*, Hangzhou, 1-8.

**Huimin Jiang**, Chunsheng Li, and Farzad Sabetzadeh (2021). Modelling Time Series Customer Preference Based on E-commerce Website. *Proceedings of the 2021 3rd International Conference on Economic Management and Cultural Industry (ICEMCI 2021)*, Xi'an, 3222-3227.

**Huimin Jiang**, Farzad Sabetzadeh, and C.K.Kwong (2021). Dynamic analysis of customer needs using opinion mining and fuzzy time series approaches. *2021 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)*, Luxembourg, 1-6.

**Huimin Jiang**, Gaicong Guo, and Farzad Sabetzadeh (2021). Opinion mining and DENFIS approaches for modelling variational consumer preferences based on online comments. *Proceedings of 2nd International Conference on Advanced Intelligent Technologies (ICAIT 2021)*, Xi'an. In the book *Advanced Intelligent Technologies for*

Industry, 285, 229-238.

**其他專業資格 / 獎項 / 活動**

研究項目

2020-2022 基於在線評論的動態客戶偏好建模和產品優化研究/項目主持人/國家自然科學基金青年項目 (71901149)