PIN GAO

Hong Kong University of Science and Technology, Clear Water Bay, Sai Kung, Hong Kong, China

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EDUCATION

Hong Kong University of Science and Technology (HKUST), Hong Kong, China

Ph.D., Industrial Engineering & Decision Analytics   *2017 - 2021 (Expected)*

M.Phil., Theoretical Physics   *2013 - 2015*

Peking University, Beijing, China

Visiting Student, Physics   *2014 - 2015*

Wuhan University, Wuhan, China

B.Sc., Physics   *2009 - 2013*

RESEARCH INTERESTS

Dynamic Programming, Choice Models, Mechanism Design, Search Models.

I am particularly interested in the operational issues of digital platforms, recommender systems and product innovation.

SUBMITTED PAPERS

[1] Gao, Pin, Yuhang Ma, Ningyuan Chen, Guillermo Gallego, Anran Li, Paat Rusmevichientong and Huseyin Topaloglu, "A Sequential Recommendation and Selection Model", under 2nd round Major review at *Operations Research.* [Link]

[2] Chen, Ningyuan, Pin Gao and Steven Kou, "Does the Prohibition of Trade-Through Hurt Liquidity Demanders?", under 2nd round Major review at *Operations Research.*

[3] Chen, Ningyuan, Guillermo Gallego, Pin Gao and Steven Kou, "Dealership or Marketplace: A Dynamic Comparison", under review at *Management Science.* [Link]

[4] Gao, Pin, Xiaoshuai Fan, Sunny Huang and Ying-Ju Chen, "Resource Allocation Among Competing Innovators", under review at *Management Science.*

WORKING PAPERS

[5] Gao, Pin, Kanglin Chen and Ying-Ju Chen, "Optimal Sequence and Duration of Personalized Product Recommendation", in preparation for submission.

[6] Chen, Ningyuan, Pin Gao and Yang Li, "Personalized Product Recommendation in Presence of Privacy Constraint", working in progress.

[7] Gao, Pin, Yang Li, and Ying-Ju Chen, "Auction of Recommendation Sequence with Information Control", working in progress.

OTHER PUBLICATIONS

[8] Gao, Pin, Yingping He and Xiongjun Liu, "Symmetry-Protected Non-Abelian Braiding of Majorana Kramers' Pairs", *Phys. Rev. B 94, 224509 (2016).*

TEACHING EXPERIENCE

Teaching Assistant: Responsible for tutorials and marking

System Simulation, IEDA4130, HKUST	*Spring 2020*
Engineering Statistics, IEDA5270, HKUST	*Fall 2019*
Financial Engineering and Risk Managemement, EEMT5530, HKUST	*Spring 2019*
Engineering Statistics, IEDA5270, HKUST	*Fall 2018*
Queueing Theory, IEDA6100G, HKUST	*Fall 2018*
Quantitative Methods in Financial Engineering, IELM4331, HKUST	*Spring 2018*

INVITED TALKS

A Sequential Recommendation and Selection Model

INFORMS 2020 Annual Meeting, USA	*2020*

Dealership or Marketplace: A Dynamic Comparison

POMS-HK International Conference, Hong Kong	*2019*
MSOM Conference, Singapore	*2019*

HONORS AND AWARDS

Leader, National College Students' Innovative Experiment, Wuhan Univeristy, China	*2012 - 2013*
National Inspirational Scholarship, Wuhan Univeristy, China	*2012*
The First Prize Winner, Provincial Chemistry Olympiads, Henan, China	*2008*

INDUSTRY EXPERIENCE

Operations Consultant, Yiqixing (Transportation), Zhengzhou, China	*2019 - Present*
Quant and Product Associate, BitPower (FinTech), Shenzhen, China	*2016 - 2017*
Data and Business Analyst, UqiAuto (Supply Chain Management), Beijing, China	*2015 - 2016*

REFERENCES

Guillermo Gallego (Advisor)
Head / Chair Professor / Crown Worldwide Professor of Engineering
Department of Industrial Engineering and Decision Analytics, HKUST

Ningyuan Chen (Co-Advisor)
Assistant Professor
Department of Management, University of Toronto Mississauga
Rotman School of Management, University of Toronto

Ying-Ju Chen
Professor
Department of Information Systems, Business Statistics and Operations Management , HKUST
Department of Industrial Engineering and Decision Analytics, HKUST