

Ruiqin Wang

CONTACT INFORMATION	Institute of Operations Research and Analytics National University of Singapore 3 Research Link, 117602, Singapore	☎ +65 9157 8785 ✉ ruiqin-wang@u.nus.edu
ACADEMIC POSITIONS	National University of Singapore Research Fellow in Industrial Systems Engineering and Management	2024 – 2025 (expected)
EDUCATION	National University of Singapore PhD in Operations Research and Analytics Thesis: <i>Robustness in Pricing, Mechanism Design and Risk Analytics</i> Advisors: Melvyn Sim and Zhenyu Hu	2018 – 2024
	University of Science and Technology of China B.S. in Mathematics Thesis: <i>Bed Allocation: Modelling and Optimization</i> Advisor: Jingui Xie	2014 – 2018
RESEARCH INTERESTS	Robust and Distributionally Robust Optimization Revenue Management Risk Analytics	
PUBLISHED PAPERS	Zhi Chen, Zhenyu Hu, and Ruiqin Wang*, “Screening with Limited Information: A Dual Perspective” <i>Operations Research</i> , 72(4):1487-1504. [link] Zhi Chen, Zhenyu Hu, and Ruiqin Wang*, “Screening with Limited Information: The Minimax Theorem and A Geometric Approach”, <i>Proceedings of The 17th Conference on Web and Internet Economics (WINE 2021)</i> .	
WORKING PAPERS	Zhi Chen, Zhenyu Hu, Guangwe Liu, and Ruiqin Wang*, “Range-Value-at-Risk under Distributional Ambiguity: Tight Bounds with Support Information”. [link] Zhi Chen, Zhenyu Hu, and Ruiqin Wang*, “Relative Regret and Personalized Pricing”.	
WORK-IN-PROGRESS	Napat Rujeerapaiboon and Ruiqin Wang, “Distribution-Free Pricing with Indecisive Buyers”. Cagil Kocyigit, Napat Rujeerapaiboon, and Ruiqin Wang, “Equitable Auction Design”.	
RESEARCH GRANT & INDUSTRY COLLABORATION	Co-Investigator <ul style="list-style-type: none">Robust Mechanism Design with Limited Information. Hong Kong Research Grants Council, General Research Fund, HKD 925,120 Student Researcher <ul style="list-style-type: none">Workforce Planning and Scheduling Optimization. Jurong Port Pte Ltd and Singapore Data Science Consortium (SDSC), SGD 220,000	Sep. 2022 - Aug. 2025 Jan. 2019 - Dec. 2020
TEACHING EXPERIENCE	Tutor <ul style="list-style-type: none">DAO1704X Decision Analytics Using Spreadsheets (Undergraduate) Teaching Assistant <ul style="list-style-type: none">DBA5103 Operations Research and Analytics (MSBA)IE6505/BDC6306 Stochastic Processes II (PhD)	Fall 2022 Fall 2020 Spring 2020

	<ul style="list-style-type: none"> • IE6004 Stochastic Processes I (PhD) 	Fall 2019
HONORS AND AWARDS	<p>Screening with Limited Information: A Dual Perspective and A Geometric Approach</p> <ul style="list-style-type: none"> • Shortlist of the Best Student Paper Competition on the 13th POMS-HK International Conference 	Jan. 2023
PRESENTATIONS	<p>Screening with Limited Information: A Dual Perspective</p> <ul style="list-style-type: none"> • The 13th POMS-HK International Conference • 2022 Conference on Mechanism and Institution Design • The 12th POMS-HK International Conference • The 17th Conference on Web and Internet Economics • 2021 INFORMS Annual Meeting <p>Range-Value-at-Risk under Distributional Ambiguity: Tight Bounds with Support Information</p> <ul style="list-style-type: none"> • 2023 INFORMS Annual Meeting • The 13th POMS-HK International Conference 	<p>Jan. 2023</p> <p>Jul. 2022</p> <p>Jan. 2022</p> <p>Dec. 2021</p> <p>Oct. 2021</p> <p>Oct. 2023</p> <p>Jan. 2023</p>
SERVICES & ACTIVITIES	<p>Committee member, Analytics for X 2022 Conference, Singapore</p> <p>Student volunteer, MSOM 2019 Annual Conference, Singapore</p>	<p>Sep. 2022</p> <p>Jul. 2019</p>
SKILLS	C, Python, MATLAB, Mathematica, Gurobi, RSOME, AutoCAD, Origin, \LaTeX	
REFERENCES	<p>Melvyn Sim (PhD Advisor) Professor and Provost's Chair NUS Business School National University of Singapore Email: melvynsim@nus.edu.sg</p> <p>Guangwu Liu Professor College of Business City University of Hong Kong Email: msgw.liu@cityu.edu.hk</p>	<p>Zhenyu Hu (PhD Advisor) Associate Professor and Dean's Chair NUS Business School National University of Singapore Email: bizhuz@nus.edu.sg</p> <p>Jingui Xie Associate Professor School of Management Technical University of Munich Email: jingui.xie@tum.de</p>