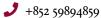
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Research Interests

Wireless communications and networking, Information freshness, Cyber-physical systems, Multi-armed bandits, Markov decision process, Reinforcement learning

Education

Bachelor in Automation Engineering.

Publications and Preprints

- [1] G. Chen and S. C. Liew, "An index policy for minimizing the uncertainty-of-information of markov sources," *arXiv:2212.02752*, (Submitted to IEEE Transactions on Information Theory).
- [2] ——, "Intermittently observable markov decision processes," *arXiv:2302.11761*, (Submitted to The Journal of Machine Learning Research).
- [3] G. Chen, L. Zhang, and S. C. Liew, "Periodic transmissions in random access networks: Stressed period and delay," (Submitted to IEEE Transactions on Communications).
- [4] G. Chen, S. C. Liew, and Y. Shao, "Uncertainty-of-information scheduling: A restless multi-armed bandit framework," *IEEE Transactions on Information Theory*, vol. 68, no. 9, pp. 6151–6173, 2022. ODI: 10.1109/TIT.2022.3177891.
- [5] G. Chen, X. Cao, and J. Jin, "Joint scheduling and channel allocation for kalman filtering over multihop wirelesshart networks," *IEEE Transactions on Industrial Informatics*, vol. 17, no. 5, pp. 3555–3565, 2021.

 6 DOI: 10.1109/TII.2020.2984491.
- [6] G. Chen, X. Cao, L. Liu, C. Sun, and Y. Cheng, "Joint scheduling and channel allocation for end-to-end delay minimization in industrial wirelesshart networks," *IEEE Internet of Things Journal*, vol. 6, no. 2, pp. 2829–2842, 2019. ODI: 10.1109/JIOT. 2018. 2875508.
- [7] G. Chen, R. Ma, M. Lei, and X. Cao, "Channel list selection based on quality prediction in wirelesshart networks," *Journal of Communications and Information Networks*, vol. 3, no. 3, pp. 49–56, 2018. ODI: 10.1007/s41650-018-0030-5.

Honors and Awards

03/2022 Exemplary Reviewer, IEEE Wireless Communications Letters.

08/2019 Postgraduate Studentship, The Chinese University of Hong Kong

Honors and Awards (continued)

10/2016 Graduate scholarship, first prize, Southeast University.

08/2015 The 10th National College Students 'Freescale Cup' Intelligent Car Competition, provincial first prize.

08/2014 Sichuan College Students Electronic Design Competition, first prize.

Teaching Assistant

IERG 2470 Probability Models and Applications, Spring 2022.

IERG 2080 Introduction to Systems Programming, Fall 2021.

IERG 2470 Probability Models and Applications, Spring 2021.

IERG 3010 **Digital Communications**, Fall 2020.

ENGG 2470 Probability for Engineers, Spring 2020.

Services

Journal Review

■ IEEE Transactions on Wireless Communications.

■ IEEE Wireless Communications Letters.

■ IEEE/CAA Journal of Automatica Sinica.

Conference Review

- IEEE Vehicular Technology Conference (VTC).
- IEEE International Conference on Parallel and Distributed Systems (ICPADS).

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