

## Curriculum Vitae



### **Dr Liu Fang**

Lecturer

School of Science and Technology

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## Education Qualifications

2015	Doctor of Philosophy (Computer Science), Nanyang Technological University, Singapore
2011	Master of Engineering, Xidian University, China
2008	Bachelor of Engineering, Xidian University, China

## Academic and Professional Experience

2020 – Present	Lecturer, School of Science and Technology, Singapore University of Social Sciences
2019 – 2020	Scientist, Sentient.io Pte Ltd, Singapore
2017 – 2019	Research Fellow, Singapore Institute of Manufacturing Technology, A*STAR
2016 – 2017	Research Fellow, School of Computer Science and Engineering, Nanyang Technological University
2015 – 2016	Research Assistant, School of Computer Science and Engineering, Nanyang Technological University

## Memberships and Professional Activities

2010 – Present	Member, Institute of Electrical and Electronic Engineering (IEEE), USA
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## Research Interests

- Data privacy preserving
- Cybersecurity
- Data analytics
- Computational intelligence

### **Selected Publications**

- Fang Liu et al. "TransLine: Transfer Learning for Accurate Power Line Anomaly Detection with Insufficient Data." IEEE International Conference on Communications (ICC). In Press. IEEE. Seoul, South Korea. May 16–20, 2022.
- Pan Lai, Rui Fan, Xiao Zhang, Wei Zhang, Fang Liu et al. "Utility Optimal Thread Assignment and Resource Allocation in Multi-Server Systems." IEEE/ACM Transactions on Networking (TON). In Press. 2021.
- Wei Zhang, Yonggang Wen, and Fang Liu. "Towards Cost-Optimal Energy Procurement for Cooling as a Service: A Data-Driven Approach." IEEE Global Communications Conference (GLOBECOM). IEEE. Madrid, Spain. December 7 - 11, 2021.
- Fang Liu et al. "Broken Power Strand Detection with Aerial Images: A Machine Learning based Approach." IEEE International Smart Cities Conference (ISC2), pp. 1-7. IEEE. Piscataway, NJ, USA. September 28 - October 1, 2020.
- Fang Liu et al. "QoE-Driven Mobile Streaming: A Location-aware Approach." IEEE International Conference on Multimedia & Expo (ICME). IEEE. Shanghai, China. July 8 - 12, 2019
- Fang Liu et al. "A Feature-Aware Online Learning Approach for Support Vector Machine Classification." International Conference on Control, Automation, Robotics and Vision (ICARCV). IEEE. Singapore. November 18 - 21, 2018. (Best Paper Nomination, 9 out of 340 Nominated.)
- Fang Liu et al. "Encrypted SVM for Outsourced Data Mining." IEEE International Conference on Cloud Computing (CLOUD), pp. 1085-92. IEEE. New York, USA. June 27 - July 2, 2015. (Acceptance Rate: 15%)
- Fang Liu et al. "Encrypted Scalar Product Protocol for Outsourced Data Mining." IEEE International Conference on Cloud Computing (CLOUD), pp. 336-43. IEEE. Alaska, USA. June 27 - July 2, 2014. (Acceptance Rate: 19%)
- Fang Liu et al. "Encrypted Set Intersection Protocol for Outsourced Datasets." IEEE International Conference on Cloud Engineering (IC2E), pp. 135-40. IEEE. Boston, Massachusetts, USA. March 10-14, 2014. (Acceptance Rate: 20%)

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