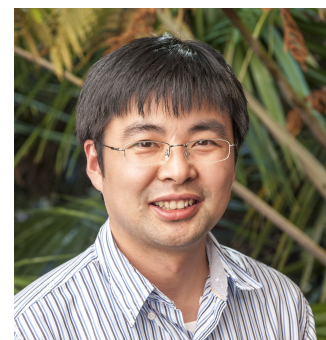


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Academic Appointments

Associate Professor of Computer Science, School of Computing and Information Systems, SMU, Aug 2022
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Coordinator, BSc (CS) Cybersecurity Track, School of Computing and Information Systems, SMU, Jul 2023 -
Present

RESEARCH

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Research Grants

Singapore Management University

Trusted Decentralized Identities, Digital Trust Centre (DTC) Research Grant, National Research Foundation (NRF) , PI (Project Level): YANG Guomin , Co-PI (Project Level): Robert H DENG, 2024, S\$1,613,872

Development of Secured Components & Systems in Emerging Technologies through Hardware & Software Evaluation, National Cybersecurity R&D (NCR) Programme, Cyber Security Agency of Singapore (CSA) , PI (Project Level): DING Xuhua, Debin GAO, Robert H DENG, David LO , Co-PI (Project Level): Guansong PANG, JIANG Lingxiao, DUAN Yue, YANG Guomin, PANG Hwee Hwa, 2023, S\$11,365,070

Privacy Preserving Self-Sovereign Digital Identity, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): YANG Guomin, 2022, S\$97,562.15

Other Institutions

Securing Public Cloud Storage with Protection against Malicious Senders, ARC Discovery Project, Australia Research Council Co-PI (Project Level): YANG Guomin

Efficient Multi-key Homomorphic Encryption and Its Applications, ARC Linkage Project, Australia Research Council Co-PI (Project Level): YANG Guomin

On the Structure of Lattices for Post-Quantum Cryptography, Measurement Science and Engineering Research Grant Programme, National Institute of Standards and Technology Co-PI (Project Level): YANG Guomin

Real Time Visualisation of Intrusion Detection and Behavioural Analytics Data for Combatting Cyber Attacks, Pilot Grant Scheme, NSW Cyber Security Network Co-PI (Project Level): YANG Guomin

Leakage-resilient and Quantum-secure Authenticated Key Exchange Protocol, ARC DECRA Project, Australia Research Council PI (Project Level): YANG Guomin

Post-Quantum Cryptology: New Approach and Investigation, General Research Fund, Australia National Security Science and Technology Centre Co-PI (Project Level): YANG Guomin

TEACHING

Courses Taught

Singapore Management University

Undergraduate Programmes :

Data Security and Privacy

Foundations of Cybersecurity
 Introduction to Programming
 IS/SMT/C&L Project Experience (Applications)

Postgraduate Research Programmes :
 Empirical Research Project 1

THESES AND DISSERTATIONS

Theses and Dissertations Supervised

Other Institutions

Supervisor, "Searchable Encryption for Cloud and Distributed Systems", Thesis by LIU Xueqiao, University of Wollongong, 2017

Supervisor, "Privacy-preserving Cryptographic Solutions for Cloud Storage", Thesis by WU Tong, University of Wollongong, 2016

Supervisor, "Practical revocable cryptographic schemes for cloud-based applications", Thesis by XU Shengmin, University of Wollongong, 2015

Supervisor, "Privacy-enhanced key management for distributed systems", Thesis by TIAN Yangguang, University of Wollongong, 2013

Supervisor, "Contributions to Privacy-Preserving Digital Signatures and Their Applications", Thesis by WEI Jiannan, University of Wollongong, 2012

Theses and Dissertations Assessed

Other Institutions

Co Supervisor, "Contributions to Blockchain-Based Security Protocols", Thesis by LI Yannan, University of Wollongong, 2017

Co Supervisor, "New Conditional Privacy-preserving Encryption Schemes in Communication Network", Thesis by YAO Zhongyuan, University of Wollongong, 2014

Co Supervisor, "Practical functional encryption techniques and their applications", Thesis by ZHANG Shiwei, University of Wollongong, 2014

Co Supervisor, "Secure Data Storage and Retrieval in Cloud Computing", Thesis by CHEN Rongmao, University of Wollongong, 2013

Co Supervisor, "Attribute-Based Encryption Schemes", Thesis by PHUONG Tran Viet Xuan, University of Wollongong, 2013

Co Supervisor, "Contributions to Cryptography with Restricted Conditions", Thesis by LIU Weiwei, University of Wollongong, 2012

EXTERNAL SERVICE – PROFESSIONAL

Conference Chair, International Conference on Provable and Practical Security, 2025

Editor Associate Editor, IEEE Transactions on Information Forensics and Security, 2025 - Present

Editor Associate Editor, IEEE Transactions on Services Computing, 2024 - Present

Conference Chair, 27th Australasian Conference on Information Security and Privacy, 2022

Committee Member, JTC 1/SC 27/WG 2, ISO/IEC, 2018 - 2022

Editor Associate Editor, Theoretical Computer Science Journal, 2018 - Present