

Ching-Hsiang (Joe) Chan

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RESEARCH INTERESTS

Cyber-physical security, Real-time Systems, Machine Learning Security

EDUCATION

Washington University in St. Louis

Missouri, USA

Ph.D. in Computer Science and Engineering

2024–Present

Advisor: Dr. Ning Zhang

National Taiwan University

Taipei, Taiwan

B.S. in Electrical Engineering

2019–2024

Honors/Awards

- WashU Dean's Select PhD Fellowship, 2024

Publications

Conference Papers

1. **Resilient Federated Learning on Embedded Devices with Constrained Network Connectivity**

Zihan Li, Han Liu, Ao Li, [Ching-hsiang Chan](#), Yevgeniy Vorobeychik, William Yeoh, Wenjing Lou, Ning Zhang

In 2025 62nd ACM/IEEE Design Automation Conference (DAC), Jul 2025

2. **Balancing Security and Schedulability: WCET Evaluation and Security Optimization in CPS**

Zihan Li, Marion Sudvarg, [Ching-Hsiang Chan](#), Ryan Burrow, Nathan Burow, Cailani Lemieux-Mack, Sanjoy Baruah, Ning Zhang, and Bryan C. Ward

In 2026 IEEE 32nd Real-Time and Embedded Technology and Applications Symposium (RTAS)
To Appear, 2026