Biography and Past Lectures

Prof. Yuichi Hayashi

Name: Yuichi Hayashi

Present Position: Professor, NAIST

Affiliation: Graduate School of Information Science, Nara Institute of Science and Technology

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EDUCATION

M. E. degree in Information Sciences, Tohoku University, 2005

Ph. D. degree in Information Sciences, Tohoku University, 2009

PROFESSIONAL POSITON

04/2017-	Professor, Graduate School of Science and Technology, Nara Institute of Science and Technology, Japan
04/2015-03/2017	Associate Professor, Graduate School of Engineering, Tohoku Gakuin University, Japan
12/2012-03/2015	Associate Professor, Graduate School of Information Sciences, Tohoku University, Japan
04/2012-12/2012	Postdoctoral Fellow, Research Institute of Electrical Communication, Tohoku University, Japan
04/2009-03/2012	Postdoctoral Fellow, Graduate School of Engineering, Tohoku University, Japan
08/2010-present	Subcommittee Chair (Electromagnetic Information Leakage) in Technical Committee 5 (TC-5), IEEE Electromagnetic Compatibility, US

HONORS and AWARDS (SELECTED)

- Richard B. Schulz Award for the Best EMC Transactions Paper - Honorable Mention 2020
- Symposium on Cryptography and Information Security Innovation Paper Award 2017
- RIEC Award Tohoku University Researcher Prize 2014
- The Workshop on Cryptographic Hardware and Embedded Systems (CHES) 2014, Best Paper Award
- IEEE EMC International Symposium on Electromagnetic Compatibility (EMCS) 2013

Best Symposium Paper Award
- Computer Security Symposium 2009 Best Paper Award

PREVIOUS LECTURES (SELECTED)

1. Y. Hayashi, "Introduction to Electromagnetic Information Security," Short Course: Opportunities and Challenges at the Intersection of Security and AI (2019 Symposia on VLSI Technology and Circuits), Kyoto, 2019.
2. Y. Hayashi, "EM Information Leakage Threat Caused by Low-power IEMI and Hardware Trojan," AMEREM, University of California, Santa Barbara, 2018.
3. Y. Hayashi, "EM Information Leakage Threats in Public Spaces," Workshops and Tutorials, IEEE International Symposium on Electromagnetic Compatibility 2016, Ottawa, 2016.
4. Y. Hayashi, "EM Information Security of Tablet PCs in Public Space," EMC Joint Workshop Taipei, 2016.
5. Y. Hayashi, "EM Information Leakage from Smart Devices," 2015 URSI-Japan Radio Science Meeting (URSI-JRSM 2015), Tokyo Institute of Technology, Tokyo, Japan, 2015.
6. Y. Hayashi, "Remote Fault-injection Method with Timing Control Based on Leaked Information," International Workshop on Security, IWSEC2013, Okinawa, 2013.
7. Y. Hayashi, "Introduction to EM Information Leakage from Electronic Devices," Workshops and Tutorials, IEEE International Symposium on Electromagnetic Compatibility 2013, Denver, 2013.