COLLEGE OF COMPUTING
Prince of Songkla University Phuket Campus

PERSONAL DATA

Name : Asst.Prof.Dr. KULJAREE TANTAYAKUL

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EDUCATION

Ph.D. Degree 2018 Ph.D. in Computer Engineering, National Polytechnic Institute of Toulouse (ENSEEIHT), France

Master Degree 2015 M.Eng. in Computer Engineering, National Polytechnic Institute of Toulouse (ENSEEIHT), France
2009:
M.Eng. in Computer Engineering, Prince of Songkla University (PSU), Thailand

Bachelor Degree 2004 B.Eng. in Computer Engineering, Prince of Songkla University (PSU), Thailand

TEACHING

- DATA COMMUNICATIONS & NETWORKING
- TECHNOLOGY AND SOFTWARE PROGRAMMING FOR BUSINESS
- CROM THINKING :CREATIVE AND OPEN MINDED THINKING
- NETWORK PROTOCOLS
- THE KING'S PHILOSOPHY AND SUSTAINABLE DEVELOPMENT
- INTRODUCTION TO COMPUTER PROGRAMMING
- COMPUTER ENGINEERING SOFTWARE LAB I
- COMPUTER ENGINEERING SOFTWARE LAB II
- COMPUTER ENGINEERING PROJECT PREPARATION
- COMPUTER ENGINEERING PROJECT I
- COMPUTER ENGINEERING PROJECT II
- PROGRAMMING FUNDAMENTALS I
- ELECTRIC CIRCUITS
- PROBABILITY AND STATISTICS
- INTRODUCTION TO QUEUEING THEORY
- INTERNET ENGINEERING

INTERNATIONAL JOURNAL ARTICLES

A. Aung, K. Tantayakul, and A. Intana, "Location-Aware SDN-IDPS Framework for Real-Time DoS Mitigation in Vehicular Networks," *Future Internet*, vol. 18, no. 2, pp. 1-21, Feb. 2026.

https://doi.org/10.3390/fi18020087

📅 2/2026 🏷 *Future Internet, Computer Network*

K. Tantayakul, W. Panichpattanakul, A. Intana, and P. Sornlertlamvanich, "Edge Caching Strategies for Seamless Handover in SDN-Enabled Connected Cars," *Future Internet*, vol. 17, no. 11, pp. 1-15, Nov. 2025.

https://doi.org/10.3390/fi17110525

📅 11/2025 🏷 *Future Internet, Computer Network*

A. Intana, K. Tantayakul, K. Laosen, S.Charoenreh, "An Approach of Test Case Generation with Software Requirement Ontology," *International Journal of Advanced Computer Science and Applications (IJACSA)*, vol. 14, no. 8, pp. 1005-1014, Aug. 2023.

https://thesai.org/Downloads/Volume14No8/Paper_109-An_Approach_of_Test_Case_Generation_with_Software_Requirement.pdf

📅 8/2023 🏷 *Software Testing, Software Requirement Specification, Ontology, Test Case , Combination of Equivalence and Classification Tree Method*

N.Rattanavipanon, D.Ponnoprat, H.Ochiai, K.Tantayakul, T.Angchuan, and S.Kamolphiwong, "Detecting Anomalous LAN Activities under Differential Privacy", *Security and Communication Networks*, vol. 2022, Apr. 2022.

https://doi.org/10.1155/2022/1403200

📅 4/2022 🏷 *Network Security*

INTERNATIONAL PROCEEDINGS

N. Rattanavipanon, D. Ponnoprat, H. Ochiai, K. Tantayakul, T. Angchuan, and S. Kamolphiwong, "Releasing ARP Data with Differential Privacy Guarantees For LAN Anomaly Detection," in *Proc. 18th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2021)*, Chiang Mai, Thailand, June 2021, pp. 404-408.

https://ieeexplore.ieee.org/document/9454785

📅 6/2021 🏷 *IEEE*

K. Tantayakul and W.Panichpattanakul, "A Comparative Study of Machine Learning for iOS Based on Siam Betta Mobile Application," in *Proc. The 5th International Conference on Information Technology (InCIT2020)*, Bangsaen Beach Chonburi, Thailand, Oct.̇ 2020, pp.104-109.

📅 10/2020 🏷 *IEEE*

K. Tantayakul, R. Dhaou, and B. Paillassa, "SDN aided Mobility Management for Connected Vehicle Networks", in *Proc. 16th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2019)*, Pattaya, Thailand, July 2019, pp. 50-53.

📅 7/2019 🏷 *IEEE*

K. Tantayakul, R. Dhaou, and B. Paillassa, "Mobility Management with Caching Policy over SDN Architecture", in *Proc. 2017 IEEE Conference on Network Function Virtualization and Software Defined Networks (NFV-SDN 2017)*, Vol. 2017-January, Berlin, Germany, Nov. 2017, pp. 1-7.

📅 11/2017 🏷 *IEEE*

K. Tantayakul, R. Dhaou, B. Paillassa, and W. Panichpattanakul, "Experimental Analysis in SDN Open Source Environment", in *Proc. 14th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2017)*, Phuket, Thailand, June 2017, pp. 334-337.

📅 6/2017 🏷 *IEEE*

K. Tantayakul, R. Dhaou, and B. Paillassa "Impact of SDN on Mobility Management", in *Proc. The 30th International Conference on Advanced Information Networking and Applications (AINA-2016)*, Crans-Montana, Switzerland, Mar. 2016, pp. 260-265.

📅 3/2016 🏷 *IEEE*

K. Tantayakul, S. Kamolphiwong, and T. Angchuan, "IPv6@HOME", in *Proc. The International Conference on Mobile Technology, Applications, and Systems, Mobility'08*, Yilan, Taiwan, Sep. 2008.

📅 10/2008 🏷 *ACM*

K. Tantayakul, R. Elze, S. Kamolphiwong, and T.Angchuan, "Mobility Mechanism between MIPv4 and MIPv6", in *Proc. The 4th IASTED Asian Conference on Communication Systems and Networks (AsiaCSN 2007)*, Phuket, Thailand, Aug. 2007, pp. 196-201.

NATIONAL PROCEEDINGS

K. Tantayakul, J. Bubpavas, R. Elze, S. Kamolphiwong, T. Kamolphiwong, J.Chatchai, A. Touchai, "Enhance Mechanism of Automated IPv6 Site Renumbering" , NSTDA Annual Conference S&T in Thailand (NAC2005), Bangkok, Thailand, March 2005.

📅 3/2005

RESEARCH GRANTS

SENET (Software Engineering and Networking Technologies) Research Team
: 750,000 baht funded by College of Computing, Prince of Songkla University, 2025 - 2027

📅 2025

Artificial Intelligence Powered Comprehensive Cyber-Security for Smart Healthcare Systems (AIPOSH)
: 2,480,000 baht funded by ICT Virtual Organization of ASEAN Institutes and NICT (ASEAN IVO), 2024 - 2025

📅 2024

ASEAN-Wide Cyber-Security Research Testbed
: 2,480,000 baht funded by ICT Virtual Organization of ASEAN Institutes and NICT (ASEAN IVO), 2020 - 2023

📅 2020

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