

PERSONAL DATA

Name : Asst. Prof. Dr. KULJAREE TANTAYAKUL
Position : Lecturer
Email : kuljaree.t@phuket.psu.ac.th
Phone : 0655626595
ORCID : [0000-0002-2862-7521](https://orcid.org/0000-0002-2862-7521)
SCOPUS ID : [25628768700](https://www.scopus.com/authid/detail.uri?authorId=25628768700)

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

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.

DOI: <https://doi.org/10.3390/fi17110525>

Published: 11/2025 in *Future Internet, Computer Network*

A. Intana, K. Tantayakul, K. Laoson, 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, August, 2023.

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

Published: 8/2023 in *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*, Volume 2022, April, 2022.

DOI: <https://doi.org/10.1155/2022/1403200>

Published: 4/2022 in *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," *18th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2021)*, Chiang Mai, Thailand, June 2021, pp. 404-408.

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 6/2021 in *IEEE*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 10/2020 in *IEEE*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 7/2019 in *IEEE*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 11/2017 in *IEEE*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 6/2017 in *IEEE*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 3/2016 in *IEEE*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 10/2008 in *ACM*

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

DOI: <https://ieeexplore.ieee.org/document/9454785>

Published: 8/2007 in *ACM*

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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COLLEGE OF COMPUTING

Prince of Songkla University Phuket Campus
80 M.1 Vichitsongkram Road Kathu, Phuket 83120
Email : coc@phuket.psu.ac.th
Website : computing.psu.ac.th