

PERSONAL DATA



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PUBLICATIONS SUMMARY

5

International Journal

8

International. Proceedings

1

National. Proceedings

3

Research Grants

Total Publications: 17

EDUCATION

Ph.D. Degree	2018	Ph.D. in Computer Engineering, National Polytechnic Institute of Toulouse (ENSEEIH), France
Master Degree	2015	M.Eng. in Computer Engineering, National Polytechnic Institute of Toulouse (ENSEEIH), 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

RESEARCH INTERESTS

Future Networks Architecture

Internet of Things (IoT)

Internet Protocol version 6

Mobility Management

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. Intana, K. Tantayakul, W. Tanthavanich, and W. Chumchuay, "An Ontology-Driven Framework for Personalised Context-Aware Running Event Recommendations," *Computers*, vol. 15, no. 3, pp. 1-22, Mar. 2026. <https://doi.org/10.3390/computers15030195>

 3/2026  *Tourism recommender system, Semantic Web Application, Ontology Engineering, Machine Learning*

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>

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.

8/2007 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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