

Assadarat Khurat

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Research Interests

Privacy, Access Control Policy Language, Ontology, Network Security, Mobile Security, Risk Management.

Professional Experience

Instructor, since July 2014
Secretary and Program Committee of MSc. in Cyber Security and Information Assurance, since August 2014
Assistant Dean for Strategy and Quality Assurance, since October 2014
Faculty of ICT
Mahidol University
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Freelancer, Siemens and Nokia Siemens Networks, Munich, 2005 – 2010.

Education

Doctor of Engineering, Department of Security in Distributed Applications, Hamburg University of Technology, Germany, 2014.

Master of Science in information and Communication Systems, Hamburg University of Technology, Germany, 2005.

Bachelor of Engineering, Department of Telecommunication Engineering, King Mongkut's Institute of Technology Ladkrabang, 2001.

Selected Professional Service

Consultant for Information System Assessment, *Biodiversity-Based Economy Development*, March 2019 – present.

Technical Consultant in Information and Communication Technology, *Central Institute of Forensic Science*, March 2019 – present.

Technical Consultant in Information and Communication Technology, *Central Institute of Forensic Science*, April 2018 – September 2018.

Selected Research Grants

Mahidol University, Kingdom of Thailand, “Research Fund for New Researcher”, December 2017 – present, 210,000 THB.

Selected Invited Talks and Keynote Addresses

Security Girl Community, “Risk Management with Coras”, Bangkok, June 2018.

Department of Science Service, “User Security Awareness”, Bangkok, June 2018.

Publication Statistics

Journal Articles: 2

Conference Papers: 12

Workshop Papers: 2

Citations: Google Scholar: 37 with h-index of 3

Scopus: 17 (excluding self-citations) with h-index of 2

Selected Publications

N. Siriphun, S. Kashihara, D. Fall and A. Khurat, Distinguishing Drone Types Based on Acoustic Wave by IoT Device, Thailand, Proceedings of 22nd International Computer Science and Engineering Conference (ICSEC 2018), November 2018.

C. Wongvises, A. Khurat, D. Fall and S. Kashihara, Fault Tree Analysis-based Risk Quantification of Smart Homes, Thailand, Proceedings of 2nd International Conference on Information Technology (INCIT 2017), November 2017.

C. Sowattana, W. Viriyasitavat and A. Khurat, Distributed Consensus-Based Sybil Nodes Detection in VANETs, Thailand, Proceedings of 14th International Joint Conference on Computer Science and Software Engineering (JCSSE 2017), July 2017.

A. Khurat, S. Boontawee and D. Gollmann, Privacy policies verification in composite services using OWL. *Computers & Security Journal* 2017; Volume 67, Pages 122–141, June 2017.

P. Mongkolwat and A. Khurat, Structured Reporting with An Open Access Imaging Workstation to Collect Image Findings and Ancillary Information Using Standard Medical Lexicons, *Journal of the Thai Medical Informatics Association (JTMI)* 2016; Volume 2, Issue 2, July-Dec 2016

K. Inso, P. Noicharoen, N. Meathananuchai and A. Khurat, Play It Safe: A Personal Security Application on Android Platform, Thailand, International Student Project Conference (ISPC), May 2016.

Y. Luetrakulset, P. Putthaworapoom, S. Worasing and A. Khurat, Smart Street Problem Reporting System, International Student Project Conference (ISPC), Japan, May 2015.

J. Koboorn, B. Chinomi, M. Phuriphokhai and A. Khurat, BET ME: an Event Marketing on Web-Based and IOS Application, International Student Project Conference (ISPC), Japan, May 2015.

B. Suntisrivaraporn and A. Khurat, Formalizing and Reasoning with P3P Policies Using a Semantic Web Ontology, Proceedings of the 5th international conference on Multi-Disciplinary Trends in Artificial Intelligence (MIWAI), Hyderabad, India, December 2011.

A. Khurat and B. Suntisrivaraporn, An Ontological Approach to Verifying P3P Policies, International Conference on Knowledge Engineering and Ontology Development (KEOD), France, October 2011.

A. Khurat, D. Gollmann, and J. Abendroth, A Formal P3P Semantics for Composite Services, Springer-Verlag, 7th VLDB Workshop on Secure Data Management (SDM), Singapore, LNCS 6358, pp. 113–131, September 2010.

A. Khurat and J. Abendroth, A Mechanism for Requesting Hierarchical Documents in XACML, 4th IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob), France, October 2008.

A. Khurat, R. Seidl and JP. Rouzic, SPICE Access Control Architecture Capable of Minimizing Infrastructure Components, ICIN, France, October 2008,

A. Khurat, J. Abendroth, S. Bracher and P. Krishnan, Towards Client Privacy Policy Enforcement for Small-Medium Enterprises, In IEEE International Conference on Digital Ecosystems and Technologies (DEST), Australia, February 2007.

A. Khurat and J. Abendroth, Towards Policy-based System on Privacy, In Proceedings of the 5th WSEAS Int. Conference on Information Security and Privacy, Italy, November 2006.

M. Shanmugam, S. Thiruvengadam, A. Khurat and I. Maglogiannis, Enabling Secure Mobile Access for Electronic Health Care Applications, In International Workshop on Security and Privacy in Mobile HealthCare, Austria, November 2006.