ASSOC. PROF. JUGGAPONG NATWICHAI, Ph.D.

รองศาสตราจารย์ ดร. จักรพงศ์ นาทวิชัย



CONTACT:

EXPERIENCE:

• Director of Information Technology Service Center, Chiang Mai University (2022-present)

• Data Science Consortium Chairman Chiang Mai University (2018-present)

• Associate Dean for Strategy and Planning Faculty of Engineering, Chiang Mai University (December 2020-2022): ISO 9001:2008, TQA, and Digital Transformation

• TQA Assessor, Office of Thailand Quality Award, Ministry of Industry, Thailand (2016-present)

RESEARCH INTERESTS:

Data Privacy, Information Systems, Database Systems

ACADEMIC SERVICES:

Academic activities

• The 14th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2019) – PC Co-Chair

• The 24th International Conference on Database Systems for Advanced Applications (DASFAA) – Local Organizer Chair

Consultancy

• Consultant – Digital GDP Assessment, Ministry of Digital for Economy and

Society (2022)

- Consultant – Data Strategy, Ministry of Digital for Economy and Society (2021)
- Consultant – Data Management, Ministry of Energy (2019)
- Consultant – Data Management, Ministry of Commerce (2018)
- Consultant – Data Management, Bank of Thailand, Thailand (2017)

Reviewers (Recent List)

- ACM Transactions on Management Information Systems
- International Journal on Grid and Utility Computer
- Journal of Near Infrared Spectroscopy
- Computer Journal
- European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (2019-present)
- International Conference on Network-based Information System (2014-present)

EDUCATION:

- Ph.D. in Computer Science, September 2007, The University of Queensland, Brisbane, Queensland, Australia. Thesis topic: Privacy-Preserving Data Mining of Classification Rules, advisors: Prof Xue Li and Prof Maria E. Orlowska
- B.Eng. in Computer Engineering, March 1999, Chiang Mai University, Chiang Mai, Thailand

TRAINING:

- Enterprise Risk Management, Knowledge Network Institute of Thailand (2021)
- Business Analytics for Strategic Decisions, Emeritus Institute (2020)
- TQA Assessor, TQA Office, Thailand (2017)

PUBLICATION (PARTIAL LIST):

- Mahanan, W., Chaovalitwongse, W.A., and Natwichai, J. (2021). "Data privacy preservation algorithm with k-anonymity," World Wide Web, Vol. 25, No. 4, pp. 1551-1561.
- Sangamuang S., Boonma P., Natwichai J., Chaovalitwongse W. (2020). "Impact of minimum-cut density-balanced partitioning solutions in distributed webpage ranking," Optimization Letters, Vol. 15, pp. 521-533.
- Pornprasit, R., Pornprasit, P., Boonma, P., Natwichai, J. (2018). "A study on prediction performance of the mechanical properties of rubber using Fourier-transform near infrared spectroscopy," Journal of Near Infrared Spectroscopy, Vol. 26, No. 6, pp. 351-358.
- Srisungsittisunti, B., and Natwichai, J. (2015). "An incremental privacy-preservation algorithm for the (k, e)-Anonymous model," Computers & Electrical

Engineering, Elsevier, Vol. 41, pp. 126-141.

REFERENCE:

• Prof. Pongrak Sribanditmongkol, M.D., President, Chiang Mai University, Thailand (president@cmu.ac.th)