

CURRICULUM VITAE

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DATE OF BIRTH 12 APRIL 1985

NATIONALITY Thai

EDUCATIONAL BACKGROUND

- 2013 – 2016 Ph.D. in Green Science and Engineering, Sophia University, Japan
Thesis Title: A Two Stage Optimization Model for Integrated Humanitarian Relief Logistics in Flood Natural Disaster
(Hitachi Scholarship Grantee 2013)
- 2007 – 2009 M.Eng. in Industrial Engineering, Chulalongkorn University, Thailand
- 2003 – 2007 B.Eng. in Industrial Engineering, Chiang Mai University, Thailand
(First Class Honors)

FIELDS OF INTEREST

Optimization and Operations Research, Humanitarian Logistics, Healthcare Engineering

RELEVANT WORK EXPERIENCES

- 2018 – Present Lecturer**, Faculty of Engineering, Chiang Mai University
- Responsible for the undergraduate and postgraduate subjects in the Department of Industrial Engineering (IE); course taught as Enterprise Resource Planning and Information Technology for Logistics.
- 2017 – 2018 Lecturer**, College of Arts Media and Technology, Chiang Mai University
- Responsible for the undergraduate subjects in the Department of Modern Management and Information Technology (MMIT); course taught as Information Systems for Enterprise Resource Planning, Supply Chain and Customer Relationship Management, and Database Management.
- 2016 – 2017 Postdoctoral Researcher**, Faculty of Science and Technology, Sophia University
- Principle as a postdoctoral researcher; perform the research required by the faculty supervisor, assisted the supervisor following up master and doctoral thesis in the laboratory group.
- 2013 – 2016 Research Assistant**, Faculty of Science and Technology, Sophia University
- Principle as a research assistant; coordinated and consulted in a research group discussion with the laboratory members, assisted the supervisor following up master thesis, as well as other duties and responsibilities assigned by supervisor.

- 2009 – 2013 Lecturer**, College of Arts Media and Technology, Chiang Mai University
- Responsible for the undergraduate subjects in the field of Modern Management and Information Technology (MMIT); course taught as Information Systems for Supply Chain and Introduction to Manufacturing Information Systems and Database Management.
- 2008 – 2009 Research Assistant**, Energy Research Institute, Chulalongkorn University
- Provided academic and operational assistance to staffs, surveyed as a field manager, and other research works; investigation, data gathering and analyses, document management, result publication and release.

HIGHLIGHTS OF PROFESSIONAL EXPERIENCE

- 2017 – 2018 Deputy Head of Academic School**, College of Arts Media and Technology, Chiang Mai University
- Responsible as a deputy head of academic school: providing supports to the director of academic school. Perform administrative functions mainly supporting to the academic school.
- July 2018 Visiting Research Scholar**, Faculty of Science and Technology, Free University of Bolzano, Bolzano, Italy
- Responsible for WP5, analysis of industry 4.0 concepts for the organization of SMEs, Industry 4.0 for SMEs Project, European Union's Horizon 2020
- October 2017 Visiting Research Scholar**, Faculty of Manufacturing Technologies, Technical University of Kosice, Kosice, Slovakia
- Responsible for WP4, analysis of industry 4.0 concepts for smart logistics in SMEs, Industry 4.0 for SMEs Project, European Union's Horizon 2020
- 2012 – 2013 Department Secretary**, Department of Modern Management and Information Technology, College of Arts Media and Technology, Chiang Mai University
- Responsible as a department secretary; providing supports to the director of MMIT department. Perform administrative functions mainly supporting to the curriculum.
- 2009 – 2013 Manager Director**, Technology and Quality Training Center, College of Arts Media and Technology, Chiang Mai University
- Responsible for training projects as a manager director; direct all aspects of training center operations, including instructional leadership, grant writing and management, program planning and implementation, staff selection and evaluation, coordinating with industrial partners, and training center finance.
- 2011 – 2012 ISO Consultant and Trainer**, TSUS Excellent Engineering Corporation Ltd., Thailand
- Principle as a quality consultant and trainer for TSUS; responsible for training projects in quality system supporting to ISO 9001: 2008 certification process accredited by IntlCert Jasan (Thailand) Ltd.,
- 2010 – 2011 QC Consultant and Trainer**, KEC (Thailand) Corporation Ltd.
- Assistant principal for Industrial engineering consultant and trainer for KEC (Thailand) Corporation Ltd.; responsible for training project in Asset Maintenance Management: Reliability Centered Maintenance (RCM) and Risk-Based Maintenance (RBM), PM Analysis and QC7 Tools.
 - Implemented workshop programs to KEC engineers; coordinated and supervised engineers and staffs by using specialized engineering tools and techniques to efficiently solve the complex projects in a professional approach.

2009 – 2010 Quality Manager, Systems for Quality Assurance in Research and Education (SQUARE), College of Arts Media and Technology, Chiang Mai University

- Principle as a quality manager for the department of MMIT; developed a quality assurance system for higher education and research activities, improved the level of service for users and other stakeholders of the department.
- Participated in the training program: Quality Management System for Research and Education – The European Standard at Université Lumière Lyon II - IUT Lumière, France and University of Sannio, Italy in order to exchange ideas, views and knowledge among the partners from both EU and Thailand.

SCIENTIFIC PUBLICATIONS

JOURNALS

Ramingwong, S. and Manopiniwes, W. (accepted). “Supportment for Organization and Management Competences of ASEAN Community and European Union Toward Industry 4.0.” *International Journal of Advanced and Applied Sciences* x(x)xxx : xx – xx.

Manopiniwes, W., Limcharoen A., Tippayawong, K.Y., Santiteerakul, S., Dallasega, P., and Ramingwong, S. 2019. “On Logistics Potential of Thai Industry in Identifying Gap to Logistics 4.0” In *Journal of Engineering and Applied Sciences* 14(5): 1608-1613.

Ramingwong, S., Manopiniwes, W., & Jangkrajarn, V. 2019. “Human Factors of Thailand Toward Industry 4.0.” In *Management Research and Practice* 11(1): 15-25.

Jangkrajarn, V., Sopadang, A., Tippayawong, K.Y., Manopiniwes, W., Santiteerakul, and Ramingwong, S. 2017. “Industrial Logistics Performance of Thai Industry” In *International Journal of Engineering and Technology* 7(3.7): 394-398.

Manopiniwes, W., and Irohara, T. 2017. “Stochastic Optimisation Model for Integrated Decisions on Relief Supply Chains: Preparedness for Disaster Response.” In *International Journal of Production Research* 55(4): 979-996.

Manopiniwes, W., and Irohara, T. 2017. “A Framework to Robust Stochastic Optimization for Humanitarian Logistics.” In *International Journal of Management and Applied Science* 3(3): 119-123.

Manopiniwes, W., Nagasawa, K., and Irohara, T. 2015. “Facility Location Alternatives between Expected and Worst Case Time Performance in Humanitarian Relief Logistics.” In *Journal of Japan Industrial Management Association* 66: 142-153.

Manopiniwes, W., Nagasawa, K., and Irohara, T. 2014 “Humanitarian Relief Logistics with Time Restriction: Thai Flooding Case Study.” In *Industrial Engineering & Management Systems* 13(4): 398-407.

Manopiniwes, W., and Irohara, T. 2014. “A Review of Relief Supply Chain Optimization.” In *Industrial Engineering & Management Systems* 13(1): 1-14.

Manopiniwes, W., Suphameeteeskul, N., and Janchai, W. 2013. “AHP Approach for Material Management in a Cutting Edge Electronics Design Manufacturing Company.” In *Advanced Material Research* 748: 1198-1202.

Sinthamrongruk, T., Mahakitpaisarn, K., and Manopiniwes, W. 2013. “A Performance Comparison between A* Pathfinding and Waypoint Navigator Algorithm on Android and iOS Operating System.” In *International Journal of Engineering and Technology* 5(4): 498-501.

BOOK CHAPTERS

Manopiniwes, W., and Irohara, T. 2015. "Integrated Relief Supply Distribution and Evacuation: A Stochastic Approach." In *Toward Sustainable Operations of Supply Chain and Logistics Systems*, edited by Kachitvichynaukul, V., Sethanan, K. and Golinska-Dawson, P., 297-308. Springer International Publishing Switzerland.

CONFERENCE PROCEEDINGS

Manopiniwes, W. and Irohara, T. 2019. "Multi-period Temporary Depot Location Problem in Flood Natural Disaster Response." In *Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM)*, Bangkok, Thailand, March 5-7, 2019.

Manopiniwes, W., Thinnukool O., and Cherapanukorn V. "Smart Travel Planning for Chiang Mai's Ecotourism" In *Proceeding of 10th International Conference on Logistics & Transport (ICLT)*, Okinawa, Japan, November 15-16, 2018.

Manopiniwes, W., and Irohara, T. "Integrated Humanitarian Operations Management in Flood Natural Disaster" In *Proceeding of 25th International Annual European Operations Management Association (EurOMA) Conference*, Budapest, Hungary, June 24-26, 2018.

Manopiniwes, W., and Irohara, T. "Emergency Logistics Planning: A Conceptual Framework" *International Conference on Management and Information Technology*, Prague, Czech Republic, December 21-22, 2017.

Manopiniwes, W., Sopadang, A., Tipayawong, K.Y., Santiteerakul, and Ramingwong, S. 2017. "Asean Economic Community's Logistics Performance Index Benchmark." In *Proceeding of the 9th International Conference on Logistics & Transport (ICLT)*, Bangkok, Thailand, November 1-4, 2017.

Manopiniwes, W., and Irohara, T. "Temporary Depot Location-Routing in Humanitarian Relief Logistics." *46th Annual Conference of the Italian Operations Research Society (AIRO)*, Trieste, Italy, September 6-9, 2016.

Manopiniwes, W., and Irohara, T. "Multi-period Humanitarian Logistics Model Considering Temporary Depot Location in Flood Disaster." In *Proceeding of the 7th International Conference on Logistics & Transport (ICLT)*, Lyon, France, November 17-20, 2015.

Manopiniwes, W., and Irohara, T. "Integrated Relief Supply Distribution and Evacuation: A Stochastic Approach." *International Congress on Logistics and SCM systems*, Chiang Mai, Thailand, July 1-4, 2015.

Manopiniwes, W., and Irohara, T. "Relief Vehicle Transportation Plan: Thai Flooding Case Study." In *Proceedings of the 2015 Industrial and Systems Engineering Research Conference*, edited by S. Cetinkaya and J. K. Ryan., Tennessee, US, May 30 – June 2, 2015.

Manopiniwes, W., Nagasawa, K. and Irohara, T. "Modelling Facility Locations by Optimizing Time Performance for Humanitarian Relief Logistics". *The first East Asia Workshop on Industrial Engineering (EAWIE)*, Hiroshima, Japan, November 7-9, 2014.

Manopiniwes, W., Nagasawa, K. and Irohara, T. "Optimum Humanitarian Relief Logistics for Facility and Stock Location under Time Restriction: Thai Flooding Case Study". *The Asia Pacific Industrial Engineering & Management Systems Conference (APIEMS)*, Jeju, Korea, October 12-15, 2014.

Manopiniwes, W., and Irohara, T. "Modeling relief disaster supply chain: A review of literature". *Japan Industrial Management Association*, Tokyo, Japan, May 17-18, 2014.

Manopiniwes, W., Ramingwong, S., and Jangkrajarn, V. "Targeting Industry for Thailand East-West Economic Corridor." In *Proceeding of the 5th International Conference on Logistics & Transport (ICLT)*, Kyoto, Japan, November 5-8, 2013.

Manopiniwes, W. "Application of Confirmatory Factor Analysis in Key Performance Indicators Development: An Energy Research Case Study." In *Proceeding of the 6th Conference on Software, Knowledge, Information Management and Applications*, Chengdu, China, September 9-11, 2012.

Manopiniwes, W., Ramingwong, S., Cherapanukorn, V., and Pitchayapan, P. "ASEAN+6: An Overview of the Logistics Components." In *Proceeding of the 7th International Congress on Logistics and SCM Systems (ICLS)*, Seoul, Korea, June 7-9, 2012.

Manopiniwes, W., Santiteerakul, S., and Ramingwong, S. "The Logistics System Review: GMS Integration." In *Proceeding of International Conference on Operations and Supply Chain Management (ICLT&OSCM)*, Malé, Maldives, December 15-17, 2011.

Wudhikarn, R., and Manopiniwes, W. "Autonomous Maintenance Using Total Productive Maintenance Approach: A Case Study of Synthetic Wood Plank Factory." In *Proceeding of Technology, Innovation & Industrial Management (TIIM)*, Pattaya, Thailand, June 16-18, 2010.

Wudhikarn, R., Smithikul, C., and Manopiniwes, W. "Developing overall equipment cost loss indicator." In *Proceeding of the 6th Conference of Digital Enterprise Technology*, Hong Kong, Hong Kong, December 14-16, 2009.
