

พชร ชატะวธิี

(Pachara Chatavithee)

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Education

University Attended	Degree	Graduated
Khon Kaen University	Doctor of Philosophy Program in Industrial Engineering (Dissertation title : A Decision Support System for Production Planning in Food Freezing Process)	-
Khon Kaen University	Master of Engineering (Industrial Engineering) (Thesis title : A Production Scheduling Method for Hard Disk Drive Industry : A Case Study for Hard Disk Drive Component Company)	March, 2010
Khon Kaen University	Bachelor of Engineering (Industrial Engineering) Second Class Honours (Project title : Agricultural Product Demand Forecasting)	June, 2007

Experience

Job Title	Job Description	Year
Lecturer	To teach in a logistics and supply chain module at the Faculty of Economics, Khon Kaen University.	2017
Researcher	To study, analyze, and set the innovation roadmap for Thailand chicken industry.	2015
Consultant	Labor productivity improvement based on the business company requirement project.	2014-2015
Lecturer	To teach a course in Computer Application in Industry. (EXCEL, VISIO, Solver, and LINGO Optimization software).	2011-2014
Researcher	Srinagarind hospital parking building feasibility study analysis.	2008

Skills & Abilities

1. Mathematical model formulation and heuristic algorithm development.
2. Spreadsheet application for productivity improvement and supply chain management.

Publication List

- Wonginyooa K., Piewthongngam K., **Chatavithree P.**, Vorasayan J. (2018). A model for restocking and harvesting aquaculture: A case of multi-pond, multi-cycle, and multi-fish type farming, *Biosystems Engineering*, 174, 134-143.
- Naprom, S., Piewthongngam, K., & **Chatavithree, P.** (2018). Determination of size and quantity of chicken supply: a simulation-based optimization, *Applied Engineering in Agriculture*. (in press). (doi: 10.13031/aea.12649) @2018.
- Chatavithree, P.**, & Piewthongngam, K. (2017). Distribution planning for single-manufacturer single-distributor multi-retailer supply chain, *IEEE International Conference on Industrial Engineering and Engineering Management 2017-December*, pp. 422-426.
- Boonchom, W., Piewthongngam K., Polpinit P., & **Chatavithree, P.** (2017). Land consolidation of small-scale farms in preparation for a cane harvester. *Computers and Electronics in Agriculture*, 142, 59-69.
- Thonguthaisiri, P., Piewthongngam, K., & **Chatavithree, P.** (2017). Flow Shop Scheduling Optimization of Cooking for Multiple Equipment and Processes in Production, *Conference on Interdisciplinary Business and Economics Research (SIBR 2017)*, Osaka, Japan.
- Chatavithree, P., Piewthongngam, K., & Pathumnakul, S. (2015). Scheduling a single machine with concurrent jobs for the frozen food industry. *Computers & Industrial Engineering*, 90, 158-166.
- Chatavithree, P., Piewthongngam, K., & Pathumnakul, S. (2015). Unrelated parallel machine scheduling with sequence-dependent setup times in frozen food industry. *applied mechanics and materials*, Vol. 781, pp. 475-478.
- Chatavithree, P., & Pathumnakul, S. (2014). Production scheduling in food freezing process under the effect of freezer-door opening. *Logistics Operations, Supply Chain Management and Sustainability* (pp. 353-362).
- Chatavithree, P., Piewthongngam, K., & Pathumnakul, S. (2011). Order selection of processed chicken under production capacity constraints. *Industrial Engineering and Engineering Management (IEEM)*, 2011 IEEE International Conference on (pp. 323-326).
- Chatavithree, P., & Pathumnakul, S. (2010). Unrelated parallel machine scheduling to minimize production related cost in a hard disk drive component manufacturer, *DST-Conference 2010* (Best paper award)