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Education

Ph.D. (Industrial Engineering) Oregon State University

M.S. (Industrial Engineering) Georgia Institute of Technology

วท.บ. (พัฒนาผลิตภัณฑ์อุตสาหกรรมเกษตร) มหาวิทยาลัยเกษตรศาสตร์

Expertise

Logistics and Supply Chain Management

Production Planning and Scheduling

Inventory Management

Applied Operations Research

Selected Works

1. Kanokwan Singha, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, "Computational experiment of methods to determine periodic (R, Q) inventory policy parameters: a case study of information decentralised distribution network", International Journal of Industrial and Systems Engineering (IJISE), Volume 32, Issues 2, February 2019, Pages 212-242
2. Buddhakulsomsiri, J., Dr.Parthana Parthanadee, Associate Professor, Pannakkong, W., "Prediction models of starch content in fresh cassava roots for a tapioca starch manufacturer in Thailand", Computers and Electronics in Agriculture, Volume 154, October 2018, Pages 296-303
3. Singha, K, Buddhakulsomsiri, J, Dr.Parthana Parthanadee, Associate Professor, "Mathematical Model of (R,Q) Inventory Policy under Limited Storage Space for Continuous and Periodic Review Policies with Backlog and Lost Sales", MATHEMATICAL PROBLEMS IN ENGINEERING, February 2017
4. Dr.AJCHARA KESSUVAN, Assistant Professor, Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, "The study of consumption behaviors and factors affecting decision to purchase fishery products of consumers in the North and Northeast of T

5. Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, Panchalee Praneetpholkrang, "Determining Appropriate Production and Inbound Logistics Practices for a Cassava Supply Chain in Thailand", Kasetsart Journal (Natural Science), Volume 49, Issues 6, November - December 2015, Pages 937-950
6. Fauzan Romadlon, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, Warut Pannakkong, "Logistics cost estimation and analysis for exporting green bean from Indonesia to Singapore", Journal of Food Science and Agricultural Technology, Volume 1, Issues 1, January - April 2015, Pages 47-53
7. Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, "Production efficiency improvement in batch production system using value stream mapping and simulation: a case study of the roasted and ground coffee industry", Production Planning & Control: The Management of Operations, Volume 25, Issues 5, April 2014, Pages 425-446
8. Laksuwong, E., Pannakkong, W., Dr.Parthana Parthanadee, Associate Professor, Buddhakulsomsiri, J., "A study of a single-period model for the parallel fleet replacement problem", Applied Mechanics and Materials, Volume 619, Issues 2014, July 2014, Pages 364-370
9. Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, Dr.Peerayuth Charnsethikul, Associate Professor, "A study of replacement rules for a parallel fleet replacement problem based on user preference utilization pattern and alternative fuel considerations", Computers & Industrial Engineering, Volume 63, Issues 1, August - September 2012, Pages 46-57
10. Dr.Parthana Parthanadee, Associate Professor, นางสาวสุรัตน์ สุขต่อ, "Safety Stock Levels for Products with Seasonality or High Variability in Demand", วารสารวิทยาศาสตร์ สาขาสังคมศาสตร์ , Volume 33, Issues 3, September - December 2012, Pages 442-453
11. Sanjaiya, M., Buddhakulsomsiri, J., Dr.Parthana Parthanadee, Associate Professor, "A stochastic savings algorithm for vehicle routing problem with a centralized distribution center and delivery time window", Applied Mechanics and Materials, Volume 110-116, Issues -, July 2011, Pages 3972-3981
12. Dr.Parthana Parthanadee, Associate Professor, Buddhakulsomsiri, J, "Simulation modeling and analysis for production scheduling using real-time dispatching rules: A case study in canned fruit industry", COMPUTERS AND ELECTRONICS IN AGRICULTURE, Volume 70, Issues 1, January 2010, Pages 245-255
13. จิรัชัย พุททกุลสมศิริ, Dr.Parthana Parthanadee, Associate Professor, "Stratified random sampling for estimating billing accuracy in health care systems", Health Care Management Science, Volume 11, Issues 1, March 2008, Pages 41-54

14. Dr.Parthana Parthanadee, Associate Professor, "A Nonlinear Optimization Problem for Determining Safety Stocks in a Two-Stage Manufacturing System", Kasetart Journal (Natural Science)(วารสารวิทยาศาสตร์ เกษตรศาสตร์ สาขาวิทยาศาสตร์), Volume 41, Issues 2, April - June 2007, Pages 380-393
15. Dr.Parthana Parthanadee, Associate Professor, Rasaratnam Logendran, "Periodic Product Distribution from Multi-Depots Under Limited Supplies", IIE Transactions, Volume 38, Issues 11, November 2006, Pages 1009-1026
16. Lu'lu'atul Fatehah, Dr.Apichaya Lilavanichakul, Assistant Professor, Dr.Parthana Parthanadee, Associate Professor, "An Analysis of Sustainability Indicators on Thai Arabica Coffee Value Chain", Panyapiwat Journal, Volume 11, Issues 1, January - April 2019, Pages 139-154
17. ธิดาภัทร วงศ์ประเสริฐ, Dr.Parthana Parthanadee, Associate Professor, รศ.ดร. จิรัชัย พุทธกุลสมศิริ, "A Study on Factors that Affect Starch Content in Fresh Cassava Roots Using Regression Analysis", วารสารวิชาการ Thai VCML, Volume 8, Issues 1, January - June 2015, Pages 106-117
18. กัญญาณัฐ เตธัญญวารากุล, Dr.Parthana Parthanadee, Associate Professor, จิรัชัย พุทธกุลสมศิริ, "Market Basket Analysis in Retailing: Case Study of a Royal Project Foundation Shop", วารสารวิชาการ Thai VCML, Volume 7, Issues 2, December 2014, Pages 23-34
19. Dr.Chutima Waisarayutt, Assistant Professor, ชมพูนุท ดั่งจันทร์, Dr.Parthana Parthanadee, Associate Professor, "การประยุกต์ใช้แบบจำลองทางคณิตศาสตร์สำหรับเครือข่ายโซ่อุปทานของผลิตภัณฑ์จากถั่วเหลืองและกากถั่วเหลือง", ThaiVCML Journal, Volume 1, Issues 1, June 2009
20. นางสาววรรณวิภา เศรษฐวิชัยกิจการ, Dr.Parthana Parthanadee, Associate Professor, ผศ. จิรัชัย พุทธกุลสมศิริ, "Production efficiency improvement: Case study in roasted and ground coffee industry", Asian Journal of Food and Agro-Industry, Volume 1, Issues 2, April - June 2008, Pages 105-115
21. Maitreesorasunte, C., Tang, J., Chaysiri, R., Jeenanunta, C., Pannakkong, W., Vitharana, H., Dr.Parthana Parthanadee, Associate Professor, "Forecasting Self-Consumption Solar Power Capacity of Industry and Business Sector in Thailand: A System Dynamic Model", 2nd International Conference on Engineering Innovation, ICEI 2018, 5 July 2018
22. Ngo Thuong Tuyet, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, "Mathematical Model for Optimal (R, Q) Inventory Policy under Decentralized Information System", The 24th International Society for Business Innovation and Technology Management Conference, 25 - 27 October 2018, กรุงเทพมหานคร Thailand
23. Pornpawee Nunthakunakorn, Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, Sophea Horng, Panchalee Praneetpholkrang, "A Survey Study on Cassava Production in Battambang, Cambodia", The 5th Stamford International Conference on Business and Higher Education, 18 October 2017, กรุงเทพมหานคร Thailand

24. Thanapat Leelertkij, Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, "A Mathematical Model for the Capacitated Vehicle Routing Problem with Transshipment", The 2017 International Conference on Innovation, Management and Industrial Engineering (IMIE 2017), 8 - 10 August 2017, Osaka Japan
25. กัลยรัตน์ โตเต็ม , Dr.Apichaya Lilavanichakul, Assistant Professor, Dr.Parthana Parthanadee, Associate Professor, "Factors Determining the Profitability of Arabica Coffee Growers in Northern Plateau of Thailand", The 7th International Graduate Research Conference (IGRC 7), 19 - 20 October 2017, อุบลราชธานี Thailand
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27. Kanokwan Singha, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, "Optimal Cycle Service Level for Continuous Stocked Items with Limited Storage Capacity.", The 3rd International Conference on Agro-Industry (ICoA Conference), 9 - 11 November 2016, กรุงเทพมหานคร Thailand
28. Aueamorn Wiratchai, Dr.Apichaya Lilavanichakul, Assistant Professor, Dr.Parthana Parthanadee, Associate Professor, "Analysis of Logistics Costs for Rice Mill in Improving the Aroma of Jasmine Rice.", The 3rd International Conference on Agro-Industry (ICoA Conference), 9 - 11 November 2016, กรุงเทพมหานคร Thailand
29. กนกวรรณ สิงหะ, Dr.Parthana Parthanadee, Associate Professor, จิรัชัย พุทธกุลสมศิริ, "A Comparison of Inventory Management between Decentralized and Centralized Distribution Networks with Backorder", International Conference on Industrial Engineering, Management Science and Applications 2015, 26 - 28 May 2015, Japan
30. Laksuwong, E., Pannakkong, W., Dr.Parthana Parthanadee, Associate Professor, Buddhakulsomsiri, J., "A study of a single-period model for the parallel fleet replacement problem", 6 th International Conference on Mechanical and Electrical Engineering (ISEEE 2014), 17 July 2014
31. Fauzan Romadlon, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, Warut Pannakkong, "Logistics Cost Structure for Exporting Green Beans from Indonesia to Singapore.", The 2nd International Conference on Agriculture and Agro-Industry 2014 (ICAAI2014), 20 - 21 November 2014, เชียงราย Thailand
32. Chonticha Chuasiri (นิติต), Dr.Parthana Parthanadee, Associate Professor, "Sales Forecasting of Perishable Products at the Royal Project Foundation Store - Bon Marche Market", the International Conference on the 8th Thailand-Taiwan Bilateral Conference and the 2nd UNTA Meeting with the theme "Science

Technology and Innovation for Sustainable Tropical Agriculture and Food”, 26 - 27 June 2014,

กรุงเทพมหานคร Thailand

33. Phimphanit Srivorakul , Dr.Parthana Parthanadee, Associate Professor, Dr.Jumpol Vorasayan, Assistant Professor, "Line Efficiency Improvement: A Case Study of Iceberg Lettuce Trimming and Packing Processes at Mae Hae Development Center, Chiang Mai", the International Conference on the 8th Thailand-Taiwan Bilateral Conference and the 2nd UNTA Meeting with the theme “Science Technology and Innovation for Sustainable Tropical Agriculture and Food”, 26 - 27 June 2014, กรุงเทพมหานคร Thailand
34. Panchalee Praneetpholkrang, Jirachai Buddhakulsomsiri, Morrakot Raweewan, Dr.Parthana Parthanadee, Associate Professor, Dr.Ravipim Chaveesuk, Assistant Professor, "Inbound Logistics Cost Analysis of Cassava Product Industry in Thailand.", The 8th International Congress on Logistics and Supply Chain Management Systems (ICLS 2013), 5 - 7 August 2013, โตเกียว Japan
35. Warut Pannakkong, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, "Simulation Modeling Analysis to Support Decision Making of Cassava Harvesting in Thailand", 2013 IEEE International Conference on Industrial Engineering and Engineering Management, 10 - 13 December 2013, กรุงเทพมหานคร Thailand
36. Panchalee Praneetpholkrang, Jirachai Buddhakulsomsiri, Morrakot Raweewan, Dr.Parthana Parthanadee, Associate Professor, Dr.Ravipim Chaveesuk, Assistant Professor, "A Study Framework of Cassava Supply Chain Redesign for AEC Preparation", International Symposium on Value Chain Management & Logistics (iSVCML 2012), 22 November 2012 - 23 February 2013, เชียงใหม่ Thailand
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38. Tapanee Sunthornsaratul, รศ. ดร. จิรัชัย พุทธกุลสมศิริ, Dr.Parthana Parthanadee, Associate Professor, "Capacitated Vehicle Routing Problem with Pickup and Delivery of Inter-Branch Demand", The 7th International Conference on Intelligent Manufacturing and Logistics Systems (IML2011) , 27 February - 1 March 2011, Chung-Li Taiwan
39. Methinee Sanjaiya, Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, "A Stochastic Savings Algorithm for Vehicle Routing Problem with a Centralized Distribution Center and Delivery Time Window", The 2nd International Conference on Mechanical, Industrial, and Manufacturing Technologies (MIMT 2011), 26 - 28 February 2011, Republic of Singapore
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41. Chumpol Monthatipkul, Charoenchai Khompatraporn, Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, "A STUDY OF SUPPLY CHAIN FOR THAI TAPIOCA STARCH PRODUCTS", The 4th International Congress on Logistics and Supply Chain Management Systems, 26 - 28 November 2008, กรุงเทพมหานคร Thailand
42. Wachiraporn Auntreejun, Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, "EFFECT OF DEMAND FORECASTING POINTS ON THE PERFORMANCE OF PROCUREMENT PLANNING FOR HERBAL PRODUCTS", The 4th International Congress on Logistics and Supply Chain Management Systems, 26 - 28 November 2008, กรุงเทพมหานคร Thailand
43. Pradyaporn Tong-On, Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, "A NEW MATHEMATICAL MODEL FOR MINIMIZING DEADHEADING DISTANCE", The 4th International Congress on Logistics and Supply Chain Management Systems, 26 - 28 November 2008, กรุงเทพมหานคร Thailand
44. Dr.Parthana Parthanadee, Associate Professor, "A New Mathematical Model for Parallel Replacement Problem with Alternative Fuels and User Demand Pattern", The 37th International Conference on Computers and Industrial Engineering, 20 - 23 October 2007, Arab Republic of Egypt
45. Dr.Parthana Parthanadee, Associate Professor, Jirachai Buddhakulsomsiri, Swatantra Kachhal, "Stratification and Clustering Methods for Billing Accuracy in Healthcare Systems", IIE Annual Conference 2006, 20 - 24 May 2006, Orlando ฟลอริดา United States of America
46. Dr.Parthana Parthanadee, Associate Professor, "Parallel Replacement Problem for a Fleet with Dependent Use", IIE Annual Conference 2006, 20 - 24 May 2006, Orlando ฟลอริดา United States of America
47. Jirachai Buddhakulsomsiri, Dr.Parthana Parthanadee, Associate Professor, Swatantra Kachhal, "A Stratified Sampling Plan For Billing Accuracy In Healthcare Systems", 18th Annual Society for Health Systems Conference, 10 - 12 February 2006, San Diego แคลิฟอร์เนีย United States of America
48. Dr.Parthana Parthanadee, Associate Professor, Assoc. Prof. Rasaratnam Logendran, "A Multi-Product Multi-Depot Periodic Distribution Problem Under Limited Supply Environment", INFORMS 2005, 13 - 16 November 2005, San Francisco แคลิฟอร์เนีย United States of
49. กุลรวิษ วรทัตกิตติกุล, Dr.Parthana Parthanadee, Associate Professor, "Analysis of the supply chain management of fresh-cut vegetable packing house for export to the United Kingdom", The 5th Regional Conference on Graduate Research. , 18 January 2020, ขอนแ
50. ชัชวาล วรศิริ, Dr.Parthana Parthanadee, Associate Professor, "A Study of Supply Chain Operational Factors that Associate with Firms' Financial Performance Indices in Thai Halal Food Industry", การประชุมทางวิชาการ

ในการนำเสนอผลงานวิทยานิพนธ์ด้านเศรษฐศาสตร์ ระดับบัณฑิตศึกษา ครั้งที่ 10 ประจำปี 2559, 13 May 2016, ขอนแก่น
กรุงเทพมหานคร Thailand