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EDUCATION

Ph.D., Industrial Engineering, Minor Statistics, University of Minnesota, Twin Cities, MN, USA, 2007

M.S., Industrial Engineering and Operations Research, University of California, Berkeley, CA, USA, 2003

A.B., Mathematics (Honors), Princeton University, Princeton, NJ, USA 2001

PUBLICATIONS

- Amaruchkul, K. 2015. Gasoline shipper's problem in rail transportation contract in Thailand. *Operations Research and Enterprise Systems*. Communications in Computer and Information Science. 577: 136-145.
- Amaruchkul, K., and S. Auwatanamongkol. 2013. Computing nonstationary (s,S) inventory policies via genetic algorithm. *Songklanakarin Journal of Science and Technology*. 35(1):11--21.
- Amaruchkul, K., and V. Lorchirachoonkul. 2011. Air-cargo capacity allocation for multiple freight forwarders. *Transportation Research Part E*. 47(1): 30--40.
- Amaruchkul, K., W. L. Cooper, and D. Gupta. 2011. A note on air-cargo capacity contracts. *Production and Operations Management*. 20(1): 152--162.
- Amaruchkul, K., and P. Sae-Lim. 2011. Airline overbooking models with misspecification. *Journal of Air Transport Management*. 17(2):142--146.
- Amaruchkul, K. 2010. Stochastic orders in risk-based overbooking. *Chiang Mai Journal of Science*. 37(3): 377--383.
- Amaruchkul, K., W. L. Cooper, and D. Gupta. 2007. Single-leg air-cargo revenue management. *Transportation Science*. 41(4): 457--469.

CONFERENCE PRESENTATIONS

- Gasoline shipper's model shift towards greener: From road to rail via contract in Thailand. The 20th Asia Pacific Decision Sciences Institute Conference (APDSI), Hong Kong. July 2015.

- Newsvendor model in rail contract to transport gasoline in Thailand. International Conference on Operations Research and Enterprise Systems (ICORES), Lisbon, Portugal. January 2015.
- Quantitative models for revenue management. The 10th IMT-GT International Conference on Mathematics, Statistics and its Applications (ICMSA), Kuala Terengganu, Malaysia. October 2014. (Invited keynote speaker)
- Air-cargo overbooking model with service competition. International Symposium on Operational Research and Applications (ISORAP), Marrakesh, Morocco. May 2013.
- A note on three-parameter buy-back contract in newsvendor setting. 17th Asia-Pacific Decision Science Institute Conference (APDSI), Chiang Mai, Thailand. July 2012.
- Non-cooperative game in overbooking problem. Conference for the International Federation of Operational Research Societies (IFORS), Melbourne, Australia. July 2011.
- Value of information in air-cargo revenue management. 4th International Conference on Operations and Supply Chain Management, Hong Kong & Guangzhou, China. July 2010.
- Air-cargo capacity contracts under asymmetric information. 13th Manufacturing and Service Operations Management (MSOM) Conference, Supply Chain and Service Management SIG Conferences, University of Maryland, College Park, MD., USA. June 2008.
- Capacity contracts in air-cargo revenue management. Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting, Pittsburgh, PA, USA. November 2006.
- Single-leg booking control for air-cargo revenue management. Manufacturing and Service Operations Management Conference, Northwestern University, Evanston, IL., USA. June 2005.
- Single-leg booking control for air-cargo revenue management. 5th Annual Conference of the Revenue Management and Pricing INFORMS Section, Sloan School of Management, MIT, Cambridge, MA., USA. June 2005.

TEACHING EXPERIENCES

National Institute of Development Administration, Bangkok, Thailand

Associate Professor, Graduate School of Applied Statistics (July 2012 – present)

Assistant Professor, Graduate School of Applied Statistics (June 2010 – June 2012)

Lecturer, Graduate School of Applied Statistics (May 2008 – May 2010)

Courses: Business forecasting. Stochastic models. Revenue management. Inventory management. Decision models.

Mahidol University, Bangkok, Thailand

Instructor: Faculty of Information and Communication Technology

Courses: Production and Supply Chain Management (Fall 2014, 2013, 2012, 2011)

Thammasat University, Bangkok, Thailand

Instructor: Sirindhorn International Institute of Technology

Courses: Introduction to Management Science (Fall 2013). Revenue Management (Summer 2013)

University of Minnesota, Twin Cities, MN, USA

Teaching Assistant, Department of Mechanical Engineering (September - December 2007)

Course: Statistics, Quality, and Reliability

Teaching Assistant, Department of Mechanical Engineering (January - May 2006)

Course: Project Management

University of California, Berkeley, CA, USA

Graduate Student Instructor, Economics Department (January - May 2003)

Course: Introduction to Economics

Graduate Student Instructor, Physics Department (January - May 2002)

Course: Introduction to Physics

RESEARCH GRANTS

- “Air-Cargo Network Revenue Management,” Thailand Research Fund, Principal Investigator, July 2015-June 2017.
- “Demand for Mobile Health Units,” Thailand Research Fund, May 2012-April 2013.
- “Revenue Management for Air-Cargo Allotment,” Thailand Research Fund, Principal Investigator, March 2009-March 2010.

PROFESSIONAL SERVICES

- Referee for *European Journal of Operational Research*, *Computers & Industrial Engineering*, *IEEE Transactions on Systems*, *Journal of Air Transport Management*, *Man and Cybernetics Part C*, *Journal of the Operational Research Society*, *Manufacturing and Service Operations Management*, *Journal of Travel & Tourism Marketing*, *Production and Operations Management*, *Transportmetrica A: Transport Science*, *Transportation Research Part E*.
- Editor for *Thai Operations Research journal*.