

## CURRICULUM VITAE of ILKYEONG MOON

**Name** ILKYEONG MOON      Date: March 2025

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### Google Scholar

<https://scholar.google.com/citations?user=x4V3QXQAAAAJ&hl=ko&oi=ao>  
(h-index: 55)

### Wikipedia

<https://en.wikipedia.org/wiki/IlkyeongMoon>

### Fellow, *The Korean Academy of Science and Technology*

[https://kast.or.kr/en/member/member\\_view.php?idx=6271](https://kast.or.kr/en/member/member_view.php?idx=6271)

### Editor-in-Chief, *European Journal of Industrial Engineering*

<https://www.inderscience.com/jhome.php?jcode=ejie>

### Lab Name

Supply Chain Management Lab.  
<http://scm.snu.ac.kr/>

### Research Area:

Production Planning and Control, JIT Applications (Toyota Production Systems), Production Scheduling, Inventory Theory, Supply Chain Management, Production Economics, Simulation, Analysis of Manufacturing Systems

## EDUCATION

- Sep. 1986–May. 1991     *Columbia University*, New York City, USA  
Ph.D. in Operations Research.  
Thesis : Some Issues in the Economic Lot Scheduling Problem  
(Advisor: Dr. G. Gallego)
- Mar. 1984–Feb. 1986     *Seoul National University*, Korea  
M.S. in Industrial Engineering  
Thesis :  
Operating Characteristic of Inv. System with Rationing
- Mar. 1980–Feb. 1984     *Seoul National University*, Korea  
B.S. in Industrial Engineering

## EXPERIENCE

- Jul. 2015–Aug. 2020  
**Director**, Center for Sustainable & Innovative Industrial Systems
- Jul. 2015–Jun. 2017  
**Head**, Dept. of Industrial Engineering, *Seoul National University*
- Sep. 2012–present  
**Professor**, Dept. of Industrial Engineering, *Seoul National University*
- Sep. 2008–Aug. 2010  
**Head**, Dept. of Industrial Engineering, *Pusan National University*
- Apr. 2003–Aug. 2012  
**Professor**, Dept. of Industrial Engineering, *Pusan National University*
- Aug. 1999–Jul. 2001  
**Head**, Dept. of Industrial Engineering, *Pusan National University*
- Apr. 1998–Mar. 2003  
**Associate Professor, Assistant Professor, Full-Time Instructor**,  
Dept. of Industrial Engineering, *Pusan National University*
- Aug. 1998–Jul. 1999  
**Visiting Scholar**, Faculty of Management, *The University of Calgary*  
(under the supervision of Professor Edward A. Silver)
- Jan. 1998–present  
**Professional Engineer** (area: Factory Management)
- Jul. 1991–Mar. 1992  
**Lecturer**, Dept. of Decision Sciences, *National University of Singapore*
- Jan. 1988–May. 1991  
**Research Assistant**, Dept. of I.E. & O.R., *Columbia University*
- Jul. 1990–Dec. 1990  
**Adjunct Lecturer**, Dept. of I.E. & M.E., *New Jersey Institute of Tech.*

## AWARDS

- [1] Commendation for Contribution to Basic Research Promotion hosted by *Ministry of Science and ICT*, January 2025
- [2] 6th Lee Young Hae SCM Scholar Award hosted by *The Korean Society of Supply Chain Management*, November 2021
- [3] Best Researcher Award hosted by *Seoul National University*, May 2018
- [4] 2nd Internalization Prize awarded by *Korean Institute of Industrial Engineers*, November 2014
- [5] 27th Jungheon Academic Grand Prize awarded by *Korean Institute of Industrial Engineers*, November 2013
- [6] Best Paper Award in 2011 Annual Conference hosted by *Korean Society of Supply Chain Management*, June 2011
- [7] Best Paper Award in the 3rd Annual Cyber Conference Competition hosted by *Korean Institute of Industrial Engineers*, October 2002
- [8] Best Paper Award in the 1st Annual Cyber Conference Competition hosted by *Korean Institute of Industrial Engineers*, November 2000
- [9] Best Paper Award in the 5th Annual Competition hosted by *The Korean Federation of Science and Technology Societies*, April 1995
- [10] Honourable Mention (Finalist Award) in the 1992 Best Dissertation Competition hosted by *Production and Operations Management Society*, October 1992

## ACADEMIC SOCIETY ACTIVITIES

- [1] Fellow (2024–present): *The Korean Academy of Science and Technology*
- [2] Fellow (2018–present): *Asia Pacific Industrial Engineering and Management Society*
- [3] Department Editor (2025–present): *IEEE Engineering Management*
- [4] Editor-in-Chief (2023–present): *European Journal of Industrial Engineering*
- [5] Editorial Board Member (2019–present): *International Journal of Intelligent Manufacturing*
- [6] Associate Editor (2014–present): *Flexible Services and Manufacturing Journal*

- [7] Editorial Board Member (2014–2015): *Transportation Research-Part E*
- [8] Area Editor (2013–2017): *Industrial Engineering and Management Systems*
- [9] Associate Editor (2010–2023): *European Journal of Industrial Engineering*
- [10] Area Editor (2009–2013): *International Journal of Industrial Engineering*
- [11] Editorial Board Member (2007–2009): *European Journal of Industrial Engineering*
- [12] Editor-in-Chief (2006–2008): *Journal of the Korean Institute of Industrial Engineers*
- [13] Associate Editor (2005–2018): *Asia-Pacific Journal of Operational Research (APJOR)*
- [14] Associate Editor (2001–2005): *Journal of the Korean Institute of Industrial Engineers*
- [15] Editorial Board Member (1998–2002): *IIE Transactions*
- [16] Editorial Board Member (1997–2009): *International Journal of Industrial Engineering*
- [17] Editorial Board Member (1994–2015): *International Journal of Operations & Quantitative Management*
- [18] Guest Professor (2021–2022): *Keio University, Japan*
- [19] International Scholar (2021): *Northeastern University, China*
- [20] Vice-Chairperson Asia-Pacific (2019–2023): *Advances in Production Management Systems*
- [21] President (2019–2020): *Korean Institute of Industrial Engineers*
- [22] Board Member (2019–present): *International Federation of Production Research*
- [23] Board Member (2014–2017): *Asia Pacific Industrial Engineering and Management Society*
- [24] Executive Committee Member (2011–2014): *International Society for Inventory Research*
- [25] Vice President (2011–2012): *Korean Institute of Industrial Engineers*
- [26] General Chair for *International Conference on Advances in Production Management Systems 2018*, August 26–30, 2018.

- [27] General Chair for *The 2nd East Asia Workshop on Industrial Engineering*, November 6–7, 2015.
- [28] Program Chair for *The 15th Asia Pacific Industrial Engineering and Management Systems Conference*, October 12–15, 2014.
- [29] General Chair for *The 17th International Conference on Industrial Engineering Theory, Applications and Practice*, October 6–9, 2013.
- [30] Secretary of *The 2nd International Symposium and Workshop on Global Supply Chain, Intermodal Transportation and Logistics*, May 2008.
- [31] Secretary of *The 7th International Conference on International Journal of Industrial Engineering*, October 2002.
- [32] Secretary of Technical Program Committee for *The 20th International Conference on Computers and Industrial Engineering*, October 6–9, 1996.
- [33] Member of *Korean Institute of Industrial Engineers, Korean Operations Research and Management Science Society, Institute of Industrial Engineers, Production and Operations Management Society, INFORMS, Operational Research Society, IFIP WG5.7*

## MAJOR ACADEMIC RESEARCH GRANTS

- [1] Received four grants (in succession in years 1993, 1994, 1995, 1996) from Korea Science and Engineering Foundation (KOSEF) (Grant Numbers: KOSEF931-1000-033-1, KOSEF941-1000-020-1, KOSEF951-1010-038-1, KOSEF961-1012-236-1)
- [2] Received leading research funds twice (2001–2003) and (2004–2006) from Korea Science and Engineering Foundation (KOSEF) (Grant Numbers: KOSEF R05-2001-000-01396-0, KOSEF R05-2004-000-10850-0)
- [3] Participated in Brain Korea 21 project (1999–2002)
- [4] Participated in The Regional Research Universities Program funded by the Korean Government (MOEHRD) (Research Center for Logistics Information Technology) (2004–2012)
- [5] Participated in Post Brain Korea 21 project (2006–2012)
- [6] Received The General Researcher Program funded by National Research Foundation of Korea(NRF) (2010–2013)

- [7] Received The Eminent Researcher Program funded by National Research Foundation of Korea(NRF) (2012–2014)
- [8] Received The Eminent Researcher Program funded by National Research Foundation of Korea(NRF) (2015–2017)
- [9] Received The Eminent Researcher Program funded by National Research Foundation of Korea(NRF) (2017–2020) (Amount of Grant: US\$ 500,000)
- [10] Received The Eminent Researcher Program funded by National Research Foundation of Korea(NRF) (2019–2024) (Amount of Grant: US\$ 800,000)
- [11] Participated in Brain Korea 21 Plus project (2013–2020)
- [12] Received The Basic Research Program funded by National Research Foundation of Korea(NRF) (2021–2024)
- [13] Awarded an Engineering Research Center funded by National Research Foundation of Korea(NRF) (2023–2030)
- [14] Awarded a Basic Research Fund for Eminent Researchers funded by National Research Foundation of Korea(NRF) (2024–2027)

## **MAJOR BUSINESS PROJECTS**

- [1] Analysis of Manufacturing Systems using Simulation. (*LG Electronics*). March 1993 – October 1993
- [2] Development of a Production Management Information System. (*Hyundai Heavy Industries, Co.*), April 1994 – December 1997
- [3] Development of a Round-Tour Mixed-Loading Transportation System. (*LG Electronics*), January 1996 – October 1996
- [4] Development of Production Information System for Construction Companies. (*Nam-Hung Construction co.*), 2000-2001
- [5] Simulation Study for the Repair System for Submarines. (*Korea Defense Agency*). July 1999 – December 2001
- [6] Forecasting and Inventory Management for Service Stock. (*LG Display*). January 2016 – August 2016
- [7] Automated Replenish System at Convenience Stores. (*BGF Retail*). January 2016 – March 2016

[8] Enhancement of Inventory Management System for Semiconductor Manufacturing. (*SK Hynix*). March 2019 – August 2019

## **PATENTS**

[1] Method of Business Management and Supply Chain Management using Work Flow Engine (Patent Number: 10-0687075) 2007.02.20

[2] System and Method for Empty Container Management (Patent Number: 10-1009548) 2011.01.12

[3] System and Method for Determination of Containerships Routings in Maritime Logistics (Patent Number: 10-1040874) 2011.06.03

[4] Method for Loading in a Container by Considering Weight Balances (Patent Number: 10-1384739) 2014.04.07

[5] System and Method for Providing Total Logistic Using Drone (Patent Number: 10-1924729) 2018.11.27

[6] System and Method for Optimally Arranging Unmanned Aerial Vehicles (Patent Number: 10-2235461) 2021.03.29

[7] Method and Apparatus for Scheduling of Aircraft Flight (Patent Number: 10-2021-0141007) 2021.10.21

[8] System and Method for Operating Unmanned Aerial Vehicle (Patent Number: 10-2322360) 2021.11.01

[9] Method and System of Creating Bundles for Gig-worker (Patent Number: 10-2022-0050548) 2022.04.25

[10] Apparatus and Method for Operating Unmanned Aerial Vehicles Based on Crime Prediction Results (Patent Number: 10-2022-0075335) 2022.06.21

[11] Transparent Plastic Bottle Collection Management Platform System that Can Improve the Participation in Transparent Plastic Bottle Collection (Patent Number: 10-2022-0094878) 2022.07.29

[12] Aircraft Scheduling Simulation System Using Reinforcement Learning and Method Thereof (Patent Number: 10-2022-0109661) 2022.08.31

[13] Method and Apparatus for Scheduling of Aircraft Flight (Patent Number: 10-2021-0141007) 2023.12.29

## **RESEARCH PAPERS (International Journals) (\*: Corresponding Author)**

- [1] **I.K. Moon\***, G. Gallego and D. Sinchi-Levi, Controllable Production Rates in a Family Production Context, *International Journal of Production Research*, Vol.29(12), pp.2459-2470, December 1991
- [2] G. Galllego and **I.K. Moon\***, The Effect of Externalizing Setups in the Economic Lot Scheduling Problem, *Operations Research*, Vol.40(3), pp.614-619, May 1992
- [3] **I.K. Moon\***, A Note on Impact to Investing in Quality Improvement on the Lot Size Model, *Omega*, Vol.20(4), pp.545, July 1992
- [4] G. Galllego and **I.K. Moon\***, Distribution Free Newsboy Problem: Review and Extensions, *Journal of the Operational Research Society*, Vol.44(8), pp.825-834, August 1993
- [5] **I.K. Moon\***, A Note of Correction on Multi-product Scheduling on a Single Machine, *Omega*, Vol.21(5), pp.597-599, September 1993
- [6] **I.K. Moon\*** and W. Yun, A Note on Evaluating Investments in Inventory Systems: A Net Present Value Framework, *The Engineering Economist*, Vol.39(1), pp.87-92, September 1993
- [7] **I.K. Moon\*** and W. Yun, An Economic Order Quantity Model with a Random Planning Horizon, *The Engineering Economist*, Vol.39(1), pp.77-86, September 1993
- [8] G. Gallego, D. Yao\* and **I.K. Moon**, Optimal Control of a Manufacturing Process that Involves Trial Runs, *Management Science*, Vol.39(12), pp.1499-1505, December 1993
- [9] **I.K. Moon\*** and G. Gallego, Distribution Free Procedures for Some Inventory Models, *Journal of the Operational Research Society*, Vol.45(6), pp.651-658, June 1994
- [10] **I.K. Moon\***, Multi-product Economic Lot Size Models with Investment Costs for Setup Reduction and Quality Improvement: Review and Extensions, *International Journal of Production Research*, Vol.32(12), pp.2795-2801, December 1994
- [11] **I.K. Moon\*** and S. Choi, The Distribution Free Continuous Review Inventory System with a Service Level Constraint, *Computers and Industrial Engineering*, Vol.27(1), pp.209-212, September 1994
- [12] **I.K. Moon\***, Generalized Formula for the Periodic Geometric-Gradient-Series Payment in a Skip Payment Loan with Arbitrary Skips, *The Engineering Economist*, Vol.39(2), pp.177-185, December 1994
- [13] **I.K. Moon\*** and S. Choi, Distribution Free Newsboy Problem with Balking, *Journal of the Operational Research Society*, Vol.46(4), pp.537-542, April 1995



- [14] G. Gallego and **I.K. Moon\***, Strategic Investment to Reduce Setup Times in the Economic Lot Scheduling Problem, *Naval Research Logistics*, Vol.42(5), pp.773-790, August 1995
- [15] G. Gallego and **I.K. Moon\***, How to Avoid Stockouts when Producing Several Items on a Single Facility? What to do if you can't?, *Computers and Operations Research*, Vol.23(1), pp.1-12, January 1996
- [16] K. Cho, **I.K. Moon\*** and W. Yun, System Analysis of a Multi-Product Small-Lot-Sized Production by Simulation: A Korean Motor Factory Case, *Computers and Industrial Engineering*, Vol.30(3), pp.347-356, June 1996
- [17] **I.K. Moon\*** and S. Choi, Distribution Free Procedures for Make-to-Order (MTO), Make-in-Advance (MIA), and Composite Policies, *International Journal of Production Economics*, Vol.48(1), pp.21-28, January 1997
- [18] **I.K. Moon\*** and W. Yun, The Distribution Free Job Control Problem, *Computers and Industrial Engineering*, Vol.32(1), pp.109-113, January 1997
- [19] W. Yun\* and **I.K. Moon**, Warranty Cost Analysis under Continuous Sales, *Journal of the Operational Research Society*, Vol.49(2), pp.176-1788, February 1998
- [20] **I.K. Moon\*** and S. Kang, Rationing Policies for Some Inventory Systems, *Journal of the Operational Research Society*, Vol.49(5), pp.509-518, April 1998
- [21] **I.K. Moon\*** and S. Choi, A note on Lead Time and Distributional Assumptions in Continuous Review inventory Models, *Computers and Operations Research*, Vol.25(11), pp.1007-1012, November 1998
- [22] **I.K. Moon\***, J. Hahm, and C. Lee, The Effect of the Stabilization Period on The Economic Lot Scheduling Problem, *IIE Transactions*, Vol.30(11), pp.1009-1017, November 1998
- [23] E. Silver and **I.K. Moon\***, A Fast Heuristic for Minimizing Total Average Cycle Stock Subject to Practical Constraint, *Journal of the Operational Research Society*, Vol.50(8), pp.789-796, August 1999
- [24] **I.K. Moon\*** and E. Silver, The Multi-Item Newsvendor Problem with Fixed Ordering Costs and a Budget Constraint, *Journal of the Operational Research Society*, Vol.51(5), pp.602-608, May 2000
- [25] **I.K. Moon\*** and S. Lee, The Effects of Inflation and Time-value of Money on an Economic Order Quantity Models with Random Product Life Cycle, *European Journal of Operational Research*, Vol.125(3), pp.140-153, September 2000

- [26] **I.K. Moon\*** and E. Silver, Minimizing the Expected Total Value of Shortages for a Population of Items subject to Practical Restrictions on the Reorder Points, *International Journal of Production Economics*, Vol.70(1), pp.45-54, March 2001
- [27] E. Silver and **I.K. Moon\***, Multi-Item Economic Order Quantity Model with an Initial Stock of Convertible Units, *The Engineering Economist*, Vol.46(2), pp.129-138, June 2001
- [28] E. Silver\* and **I.K. Moon**, The Multi-Item Single Period Problem with an Initial Stock of Convertible Units, *European Journal of Operational Research*, Vol.132(2), pp.466-477, July 2001
- [29] **I.K. Moon\*** and B.C. Giri, Comment on Boss S, Goswami A and Chaudhuri KS(1995). An EOQ Model for Deteriorating Items with Linear Time-dependent Demand Rate and Shortages under Inflation and Time Discounting, *Journal of the Operational Research Society*, Vol.52(8), pp.966-969, August 2001
- [30] **I.K. Moon\***, E. Silver and S. Choi, Hybrid Genetic Algorithm for the Economic Lot-Scheduling Problem, *International Journal of Production Research*, Vol.40(4), pp.809-824, March 2002
- [31] **I.K. Moon\***, B.C. Giri and K. Choi, Economic Lot Scheduling Problem with Imperfect Production Processes and Setup Times, *Journal of the Operational Research Society*, Vol.53(6), pp.620-629, June 2002
- [32] B.C. Giri, **I.K. Moon\*** and W.Y. Yun, Scheduling Economic Lot Sizes in Deteriorating Production Systems, *Naval Research Logistics*, Vol.50(6), pp.650-661, September 2003
- [33] B.C. Giri and **I.K. Moon\***, Accounting for Idle Capacity Cost in the Scheduling of Economic Lot Sizes, *International Journal of Production Research*, Vol.42(4), pp.677-691, February 2004
- [34] B.C. Giri and **I.K. Moon\***, Note on an Economic Lot Scheduling Problem under Budgetary and Capacity Constraints, *International Journal of Production Economics*, Vol.91(3), pp.229-234, October 2004
- [35] **I.K. Moon\***, B.C. Giri and B. Ko, Economic Order Quantity Models for Ameliorating/Deteriorating Items under Inflation and Time Discounting, *European Journal of Operational Research*, Vol.162, pp.773-785, May 2005
- [36] **I.K. Moon\*** and B.C. Cha, A Continuous Review Inventory Model with the Controllable Production Rate of the Manufacturer, *International Transactions in Operational Research*, Vol. 12(2), pp.247-258, June 2005

- [37] B.C. Cha and **I.K. Moon\***, The Joint Replenishment Problem with Quantity Discounts under a Deterministic Demand Condition, *OR Spectrum*, Vol.27, pp.569-581, August 2005
- [38] **I.K. Moon\*** and B.C. Cha, The Joint Replenishment Problem with Resource Restriction, *European Journal of Operational Research* Vol.173, pp.190-198, August 2006
- [39] **I.K. Moon\***, B.C. Cha and H.C. Bae, Hybrid Genetic Algorithm for Group Technology Economic Lot Scheduling Problem, *International Journal of Production Research*, Vol.44, pp.4551-4568, November 2006
- [40] **I.K. Moon\***, S.H. Lee and H.C. Bae, Genetic Algorithms for the Job Shop Scheduling Problems with Alternative Routings, *International Journal of Production Research*, Vol.46, pp.2695-2705, May 2008
- [41] **I.K. Moon\***, S.K. Goyal and B.C. Cha, The Joint Replenishment Problem Involving Multiple Suppliers Offering Quantity Discounts, *International Journal of System Science* Vol.39, pp.629-637, June 2008
- [42] W. Yun, **I.K. Moon\*** and G. Kim, Simulation-based Maintenance Support System for Multi-Functional Complex Systems, *Production Planning and Control*, Vol.19, pp.3655-378, June 2008
- [43] Mithun J.Sharma\*, **I.K. Moon** and H.R. Bae, Analytic Hierarchy Process to Assess and Optimize Distribution Network, *Applied Mathematics and Computation* Vol.202, pp.256-265, August 2008
- [44] B.C. Cha, **I.K. Moon\*** and J.H. Park, The Joint Replenishment and Delivery Scheduling of the One-Warehouse, N-Retailer System, *Transportation Research-Part E*, Vol.44, pp.4551-4568, September 2008
- [45] **I.K. Moon\***, B.C. Cha and S.K. Kim, Offsetting Inventory Cycles using Mixed Integer Programming and Genetic Algorithm, *International Journal of Industrial Engineering*, Vol.15, pp.245-256, September 2008
- [46] **I.K. Moon\***, R. Logendran and J.H. Lee, Integrated Assembly Line Balancing with Resource Restrictions, *International Journal of Production Research*, Vol.47, pp.5525-5541, October 2009
- [47] R. Zhang, W.Y. Yun and **I.K. Moon\***, A Reactive Tabu Search Algorithm for the Multi-Depot Container Truck Transportation Problem, *Transportation Research-Part E*, Vol.46, pp.2695-2705, November 2009

- [48] J.H. Lee, **I.K. Moon\*** and J.H. Park, Multi-level Supply Chain Network Design with Routing, *International Journal of Production Research*, Vol.48, pp.3957-3976, July 2010
- [49] **I.K. Moon\***, A.D. Do Ngoc and Y.S. Hur, Positioning Empty Containers among Multiple Ports with Leasing and Purchasing Considerations, *OR Spectrum*, Vol.32, pp.765-786, July 2010
- [50] S.J. Oh, K.Y. Ryu, **I.K. Moon**, H.B. Cho and M.Y. Jung, Collaborative Fractal-based Supply Chain Management Based on a Trust Model for the Automotive Industry, *Flexible Services and Manufacturing Journal*, Vol.22, pp.183-213, December 2010
- [51] B. Sarkar\* and **I.K. Moon**, An EPQ Model with Inflation in an Imperfect Production System, *Applied Mathematics and Computation*, Vol.217, pp.6159-6167, March 2011
- [52] **I.K. Moon\***, B.C. Cha and C.U. Lee, The Joint Replenishment and Freight Consolidation of a Warehouse in a Supply Chain, *International Journal of Production Economics*, Vol.133, pp.344-350, September 2011
- [53] R. Zhang, W.Y. Yun and **I.K. Moon\***, Modeling and Optimization of a Container Drayage Problem with Resource Constraints, *International Journal of Production Economics*, Vol.133, pp.351-359, September 2011
- [54] A.D. Do Ngoc and **I.K. Moon\***, The Storage Capacity Expansion and Space Leasing for Container Depots, *Flexible Services and Manufacturing Journal*, Vol.23, pp.364-384, October 2011
- [55] **I.K. Moon\***, B.H. Ha and J.C. Kim, Inventory Systems with Variable Capacity, *European Journal of Industrial Engineering*, Vol.6, pp.68-86, January 2012
- [56] S.H. Lee, **I.K. Moon\***, H.R. Bae and J.O. Kim, Flexible Job-shop Scheduling Problems with AND/OR Constraints, *International Journal of Production Research*, Vol.50, pp.1979-2001, April 2012
- [57] H.F. Wang\*, **I.K. Moon\***, S.X. Yang and D.W. Wang, A Memetic Particle Swarm Optimization Algorithm for Multimodal Optimization Problems, *Information Sciences*, Vol.197, pp.38-52, August 2012
- [58] K.D. Kang, **I.K. Moon\*** and H.F. Wang, A Hybrid Genetic Algorithm with a New Packing Strategy for the Three-dimensional Bin Packing Problem, *Applied Mathematics and Computation* Vol.219, 1287-1299, October 2012

- [59] **I.K. Moon\***, J.H. Lee\* and J. Seong, Vehicle Routing Problem with Time Windows considering Overtime and Outsourcing Vehicles, *Expert Systems With Applications*, Vol.39, pp.13202-3213, December 2012
- [60] **I.K. Moon\***, A.D. Do Ngoc and R. Konings, Foldable and Standard Containers in Empty Container Repositioning, *Transportation Research-Part E*, Vol.49, pp.107-124, January 2013
- [61] K.Y. Ryu\*, **I.K. Moon**, S.J. Oh, and M.Y. Jung, A Fractal Echelon Approach for Inventory Management in Supply Chain Networks, *International Journal of Production Economics*, Vol.143, pp.316-326, June 2013
- [62] X. Feng, **I.K. Moon\*** and K.Y. Ryu, Revenue-sharing contracts in an N-stage supply chain with reliability considerations, *International Journal of Production Economics*, Vol.147, pp.20-29, January 2014
- [63] **I.K. Moon**, E.J. Shin and B. Sarkar\*, Min-max Distribution Free Continuous-review Model with a Service Level Constraint and Variable Lead Time, *Applied Mathematics and Computation*, Vol.229, pp.310-315, February 2014
- [64] A.D. Do Ngoc, S.H. Lee and **I.K. Moon\***, Hybrid Genetic Algorithms for Test Bed Scheduling Problems, *International Journal of Production Research*, Vol.52, pp.1074-1089, February 2014
- [65] H.C. Bae, **I.K. Moon\*** and W.Y. Yun, Economic Lot and Supply Scheduling Problem: A Time-varying Lot Sizes Approach, *International Journal of Production Research*, Vol.52, pp.2422-2435, April 2014
- [66] J.H. Lee and **I.K. Moon\***, Modeling and Optimization of Energy Efficient Routing in Wireless Sensor Networks, *Applied Mathematical Modelling*, Vol.38, pp.2280-2289, April 2014
- [67] H.R. Bae, S.H. Lee and **I.K. Moon\***, Planning of Business Process Execution in Business Process Management Environments, *Information Sciences*, Vol.268, pp.357-369, June 2014
- [68] J.H. Lee and **I.K. Moon\***, A Hybrid Hub-and-Spoke Postal Logistics Network with Realistic Restrictions: A Case Study of Korea Post, *Expert Systems With Applications*, Vol.41, pp.5509-5519, September 2014
- [69] B. Sarkar and **I.K. Moon\***, Improved Quality, Setup Cost Reduction, and Variable Backorder Costs in an Imperfect Production Process, *International Journal of Production Economics* Vol.155, pp.204-213, September 2014

- [70] Y. Myung and **I.K. Moon\***, A Network Flow Model for the Optimal Allocation of Both Foldable and Standard Containers, *Operations Research Letters* Vol.42, pp.484-488, September 2014
- [71] **I.K. Moon\*** and N.T.V. Ly, Container Packing Problem with Balance Constraints, *OR Spectrum* Vol.36, pp.837-878, October 2014
- [72] N. Islamoglu, K. Ryu\* and **I.K. Moon**, Labour Productivity in Modular Assembly: A Study of Automotive Module Suppliers, *International Journal of Production Research* Vol.52, pp.6954-6970, November 2014
- [73] B. Sarkar, K. Chaudhuri and **I.K. Moon\***, Manufacturing Setup Cost Reduction and Quality Improvement for the Distribution Free Continuous-review Inventory Model with a Service Level, *Journal of Manufacturing Systems* Vol.34, pp.74-82, January 2015
- [74] **I.K. Moon\***, J. Qiu and J. Wang, A Combined Tramp Ship Routing, Fleet Deployment, and Network Design Problem, *Maritime Policy and Management* Vol.42, pp.68-91, January 2015
- [75] **I.K. Moon\***, X. Feng and K.Y. Ryu, Channel Coordination for Multi-stage Supply Chains with Revenue-sharing Contracts under Budget Constraints, *International Journal of Production Research* Vol. 53(16), pp.4819-4836, August 2015
- [76] X. Feng, **I.K. Moon\*** and J.H. Shin, Hybrid Genetic Algorithms for the Three-dimensional Multiple Container Packing Problem, *Flexible Services and Manufacturing Journal* Vol. 27, pp.451-477, September 2015
- [77] X. Feng, **I.K. Moon\*** and K. Ryu, Supply Chain Coordination under Budget Constraints, *Computers and Industrial Engineering* Vol. 88, pp.487-500, October 2015
- [78] **I.K. Moon\*** and H. Hong, Repositioning of Empty Containers using both Standard and Foldable Containers, *Maritime Economics and Logistics* Vol. 18, pp.61-77, March 2016
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## Citations

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## INVITED TALKS and KEYNOTE SPEECH

Annual Japanese Operations Research Conference, Japan, September 2000  
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**REFeree EXPERIENCES: 479 reviews** up to now, excluding reviews for Special Issues

1 review for *Advanced Manufacturing Technology*,  
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