

CURRICULUM VITAE of ILKYEONG MOON

Dept. of Industrial Engineering, Seoul National University, Seoul 151-744, KOREA

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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

Mar.2015 - present Professor

Dept. of Industrial Engineering, *Seoul National University*

Sep.2012 - Feb.2015 Associate Professor

Dept. of Industrial Engineering, *Seoul National University*

Sep.2008 - Aug.2010 Department Head

Dept. of Industrial Engineering, *Pusan National University*

Apr.2003 - Aug.2012 Professor

Dept. of Industrial Engineering, *Pusan National University*

Aug.1999 - Jul.2001 Department Head

Dept. of Industrial Engineering, *Pusan National University*

Apr.1998 - Mar.2003 Associate Professor

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)

Apr.1994 - Mar.1998 Assistant Professor
Dept. of Industrial Engineering, *Pusan National University*

Mar.1992 - Mar.1994 Full-Time Instructor
Dept. of Industrial Engineering, *Pusan National University*

Jul.1991 - Mar.1992 Lecturer
Dept. of Decision Sciences, *National University of Singapore*

Jan.1988 - May 1991 Research Assistant
Department of I.E. & O.R., *Columbia University*

Jul.1990 - Dec.1990 Adjunct Lecturer
Department of I.E. & M.E., *New Jersey Institute of Tech.*

Sep.1986 - Jan.1988 Teaching Assistant
Department of I.E. & O.R., *Columbia University*

AWARDS

- [1] Honourable Mention (Finalist Award) in the 1992 Best Dissertation Competition hosted by *Production and Operations Management Society*, October 1992
- [2] Best Paper Award in the 5th Annual Competition hosted by *The Korean Federation of Science and Technology Societies*, April 1995
- [3] Best Paper Award in the 1st Annual Cyber Conference Competition hosted by *Korean Institute of Industrial Engineers*, November 2000
- [4] Best Paper Award in the 3rd Annual Cyber Conference Competition hosted by *Korean Institute of Industrial Engineers*, October 2002
- [5] Best Paper Award in 2011 Annual Conference hosted by *Korean Society of Supply Chain Management*, June 2011
- [6] 27th Jungheon Academic Grand Prize awarded by *Korean Institute of Industrial Engineers*, November 2013

ACADEMIC SOCIETY ACTIVITIES

- [1] Editorial Board Member (2014-present): *Transportation Research-Part E*
- [2] Associate Editor (2014-present): *Flexible Services and Manufacturing Journal*

- [3] Board Member (2014-present): *Asia Pacific Industrial Engineering and Management Society*
- [4] Executive Committee Member (2011-present): *International Society for Inventory Research*
- [5] Associate Editor (2010-present): *European Journal of Industrial Engineering*
- [6] Area Editor (2009-2013): *International Journal of Industrial Engineering*
- [7] Senior Editor (2008-2012): *Journal of the Chinese Institute of Industrial Engineers*
- [8] Associate Editor (2005-present): *Asia-Pacific Journal of Operational Research (APJOR)*
- [9] Editorial Board Member (1994-present): *International Journal of Operations & Quantitative Management*
- [10] Vice President (2011-2012): *Korean Institute of Industrial Engineers*
- [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 (2001-2005): *Journal of the Korean Institute of Industrial Engineers*
- [14] Editorial Board Member (1998-2002): *IIE Transactions*
- [15] Editorial Board Member (1997-2009): *International Journal of Industrial Engineering*
- [16] Program Chair for *The 15th Asia Pacific Industrial Engineering and Management Systems Conference*, October 12–15, 2014.
- [17] General Chair for *The 17th International Conference on Industrial Engineering Theory, Applications and Practice*, October 6–9, 2013.
- [18] Secretary of *The 2nd International Symposium and Workshop on Global Supply Chain, Intermodal Transportation and Logistics*, May 2008.
- [19] Secretary of *The 7th International Conference on International Journal of Industrial Engineering*, October 2002.
- [20] Secretary of Technical Program Committee for *The 20th International Conference on Computers and Industrial Engineering*, October 6–9, 1996.
- [20] 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*

AREA OF INTEREST

Production Planning and Control, JIT Applications (Toyota Production Systems), Pro-

duction Scheduling, Inventory Theory, Supply Chain Management Simulation, Production Economics, and Analysis of Manufacturing Systems.

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–)
- [8] Currently participating in Brain Korea 21 Plus project (2013–)

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

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

RESEARCH PAPERS (International Journals) (*: Corresponding Author, *Name*: Student)

- [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 (IF=1.323) (5Y-IF=1.147)
- [2] G. Gallego 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 (IF=1.500) (5Y-IF=1.704)
- [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 (IF=3.190) (5Y-IF=3.224)
- [4] G. Gallego 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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=3.190) (5Y-IF=3.224)
- [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 (IF=0.647)
- [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 (IF=0.647)
- [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

(IF=2.524) (5Y-IF=2.113)

- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=1.690) (5Y-IF=1.566)
- [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 (IF=0.647)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=0.563) (5Y-IF=0.824)
- [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 (IF=1.718) (5Y-IF=1.846)
- [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 (IF=1.690) (5Y-IF=1.566)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=1.690) (5Y-IF=1.566)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=1.718) (5Y-IF=1.846)
- [22] **I.K. Moon***, J. Hahmm, 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 (IF=1.064) (5Y-IF=1.087)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=1.843) (5Y-IF=1.989)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=0.647)
- [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 (IF=1.843) (5Y-IF=1.989)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=0.911) (5Y-IF=0.996)
- [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 (IF=0.563) (5Y-IF=0.824)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=1.843) (5Y-IF=1.989)
- [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 (IF=0.481)
- [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 (IF=1.090) (5Y-IF=1.478)
- [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 (IF=1.843) (5Y-IF=1.989)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=1.579) (5Y-IF=1.118)
- [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 (IF=0.600) (5Y-IF=1.030)
- [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 (IF=1.600) (5Y-IF=1.385)
- [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 (IF=2.193) (5Y-IF=2.005)
- [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 (IF=0.165)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=2.193) (5Y-IF=2.005)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=1.090) (5Y-IF=1.478)
- [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 (IF=1.439) (5Y-IF=1.030)
- [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 (IF=1.600) (5Y-IF=1.385)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=1.439) (5Y-IF=1.030)
- [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 (IF=1.500) (5Y-IF=1.390)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=3.893) (5Y-IF=3.299)
- [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 (IF=1.600) (5Y-IF=1.385)
- [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 (IF=1.965) (5Y-IF=2.170)
- [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 (IF=2.193) (5Y-IF=2.005)

- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=1.600) (5Y-IF=1.385)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=2.158)
- [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 (IF=3.893) (5Y-IF=3.299)
- [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 (IF=1.965) (5Y-IF=2.170)
- [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 (IF=2.081) (5Y-IF=1.579)
- [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 (IF=0.624) (5Y-IF=0.903)
- [71] **I.K. Moon*** and N.T.V. Ly, Container Packing Problem with Balance Constraints, *OR*

Spectrum Vol.36, pp.837-878, October 2014 (IF=1.090) (5Y-IF=1.478)

- [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 (IF=1.323) (5Y-IF=1.147)
- [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 (IF=1.874) (5Y-IF=1.858)
- [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 (IF=1.447)
- [75] X. Feng, **I.K. Moon*** and J. Shin, Hybrid Genetic Algorithms for the Three-dimensional Multiple Container Packing Problem, *Flexible Services and Manufacturing Journal* (Published on-line on August 25, 2013) (IF=1.439) (5Y-IF=1.030)
- [76] **I.K. Moon**, S.H. Lee, M.S. Shin and K.Y. Ryu*, Evolutionary Resource Assignment for Workload-based Production Scheduling, *Journal of Intelligent Manufacturing* (Published on-line on January 21, 2014) (IF=1.142) (5Y-IF=1.059)
- [77] **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* (Accepted) (IF=1.323) (5Y-IF=1.147)
- [78] **I.K. Moon*** and H. Hong, Repositioning of Empty Containers using both Standard and Foldable Containers, *Maritime Economics and Logistics* (Accepted) (IF=1.045) (5Y-IF=2.071)
- [79] H.C. Bae, **I.K. Moon***, and W.Y. Yun Economic Lot Scheduling Problem with Returns: A Time-varying Lot Sizes Approach, *International Journal of Production Research* (Accepted) (IF=1.323) (5Y-IF=1.147)

INVITED TALKS

Annual Japanese Operations Research Conference, Japan, September 2000

International Symposium on Scheduling, Japan, June 2002

Aichi Institute of Technology, Japan, June 2002

International Symposium on Scheduling 2009, Japan, July 2009

REFeree EXPERIENCES: 234 reviews up to now, excluding reviews for Special Issues

3 reviews for *Asia-Pacific Journal of Operational Research*,
3 reviews for *Applied Mathematics and Computation*,
3 reviews for *Applied Mathematical Modeling*,
15 reviews for *Computers & Industrial Engineering*,
13 reviews for *Computers & Operations Research*,
1 review for *Decision Support System*,
11 reviews for *European Journal of Industrial Engineering*,
21 reviews for *European Journal of the Operational Research*,
1 review for *Expert Systems with Applications*,
1 review for *Flexible Services and Manufacturing*,
1 review for *IEEE Transactions on Semi-Conductor Manufacturing*,
2 reviews for *IEEE Transactions on Industrial Informatics*,
8 reviews for *IIE Transactions*,
4 reviews for *International Journal of Industrial Engineering*,
1 review for *International Journal of Manufacturing Research*,
1 review for *International Journal of Modeling and Simulation*,
12 reviews for *International Journal of Operations & Quantitative Management*,
2 reviews for *International Journal of Physical Distribution & Logistics Management*,
25 reviews for *International Journal of Production Economics*,
30 reviews for *International Journal of Production Research*,
6 reviews for *International Journal of Systems Science*,
2 reviews for *International Transactions in Operational Research*,
1 review for *Journal of Global Optimization*,
1 review for *Journal of Intelligent Manufacturing*,
17 reviews for *Journal of the Operational Research Society*,
4 reviews for *Management Science*,
2 reviews for *Mathematical and Computer Modeling*,
9 reviews for *Naval Research Logistics*,
4 reviews for *Omega*,
6 reviews for *Operations Research*,

1 review for *Operations Research Letter*,
4 reviews for *OR Spectrum*,
3 reviews for *Production and Operations Management*,
2 reviews for *Production Planning and Control*,
6 reviews for *The Engineering Economist*,
9 reviews for *Transportation Research Part E*.