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Rutgers Business School – Newark and New Brunswick Campuses

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(Updated March 2017)

EDUCATION

Ph.D. (1989) Industrial Engineering, University of Wisconsin-Madison

M.S. (1983) Electrical and Computer Engineering, Dalian Univ. of Tech., China

HONOR/AWARDS

- 2015 Best 50 Business Women in New Jersey (NJBIZ)
- 2010 Nominated for the U.S. Professor of the Year Award, 2010
- 2010 **Best Track Paper Award**, The 4th International Conference of Operations and Supply Chain Management (ICOSCM), July 25-27, 2010. Hong kong
- 2009 **Bright Idea Award in Decision Sciences**, cosponsored by NJPRO Foundation, NJBIA, and Seton Hall University
- 2009 **Bright Idea Award in Operations Management**, cosponsored by NJPRO Foundation, NJBIA, and Seton Hall University
- 2008 **Recipient of Rutgers Academic Excellence Fund Award**
(Proposal: Pharmaceutical/Health-care Purchasing and Supply Management)
- 2004 Co-recipient of **Rutgers Academic Excellence Fund Award**
(Proposal: Rutgers Center for Freight and Transportation Excellence)
- 2004 **Faculty Appreciation Award**, SCM MBA Club, RBS, Rutgers University
- 2004 **Dean's Service Excellence Award**, RBS, Rutgers University
- 2002 Semi-finalist, 2002 INFORMS Franz Edelman Award for Achievement in Operations Research and Management Science
- 2000 **Best Professor Award**, RBS, Rutgers University
- 2000 Listed in *Business Week* (<http://www.businessweek.com>, Oct. 2nd, 2000) as one of the two **Most Popular Business Professors**, Rutgers University
- 1998 **Professor of the Year Award** (1998-1999), RBS, Rutgers University
- 1997 **Meritorious Service Award**, Editorial Board of Operations Research, INFORMS
- 1994 **Best Teacher Award** (Professional Accounting Program), 1994, Rutgers
- 1990 **Nadler Teaching Award** (cash award), RBS, Rutgers University
- 1990 **Outstanding Teacher Award**, RBS, Rutgers University.

SAMPLE RESEARCH GRANTS

U.S. Department of Homeland Security \$524,625 (PI, 2011-2013)
US Airforce research grant \$50,000 (PI, 1998-1999)
HDMA Research Grant \$350,000 to RU-CSCM (PI, 2006)

PART I: SCHOLARLY WORK

REFEREED JOURNAL EDITORIAL WORK

- Associate Editor: **IIE Transactions** (1996 - 2005).
Associate Editor: **Naval Research Logistics** (1999 – 2002)
Editorial Board: **Journal of Supply Chain Management** (2005-2008)
Journal of SCOM (2013 -)
Co-guest editor: **Annals of Operations Research** - Supply Chain Scheduling and Coordination (N. Hall, L. Lei and M. Pinedo), Vol. 161, June 2008
Co-guest editor: **Annals of Operations Research** – Scheduling: Theory and Applications (G. Kendall, L. Lei and M. Pinedo), Vol. 159, March 2008
Co-guest editor: (Refereed Proceedings) **Multidiciplinary International Conference on Scheduling (MISTA): Theory and Applications**, 745 pages, 2005 (G. Kendall, L. Lei and M. Pinedo)
Co-guest editor: **Annals of Operations Research** – Scheduling: Theory and Applications, 493 pages, Vol. 70, 1997 (C. Y. Lee and L. Lei)

BOOKS

Managing Supply Chain Operations, L. Lei, L. DeCandia, R. Oppenheim, and Y. Zho, World Scientific, 2017

REFEREED PUBLICATIONS

1. A Heuristic for Emergency Operations Scheduling with Lead Times and Hardiness Penalties, L. Lei, K. Lee, and H. Dong, **European Journal of Operational Research**, Vol. 250, No. 3, May 2016, pp. 726-736.
2. The State of Business Education and Research – Perspectives from Educational Leaders around the Globe, C. Evirgen, L. Lei, P. Moizer, R. Phillips, B. Stottinger, and M. Wilson, **Rutgers Business Review**, Vol. 1, No.1, 2016, pp.1-26.

3. Personnel scheduling and supplies provisioning in emergency relief operations, L. Lei, M. Pinedo, L. Qi, S. Wang, and J. Yang, *Annals of Operations Research*, Vol. 235, No.1, 2015, pp. 487-515.
4. Integrated operations scheduling with delivery deadlines, G. Wang and L. Lei, *Computers & Industrial Engineering*, Vol. 85, July 2015, pp. 177–185
5. Integrated Batch Production and Distribution Scheduling with Limited Vehicle Capacity, S. Gao, L. Qi and L. Lei, *International Journal of Production Economics*, Vol. 160, Feb. 2015, pp.13-25.
6. Supply Chain Scheduling with Receiving Deadlines and Non-linear Penalty, Gang Wang, Lei Lei, and Kangbok Lee, *Journal of the Operational Research Society*, Vol. 66, 2015, pp.380-391.
7. Integrated Production/Distribution/Routing Planning for Supply Chain Networks: A Review (Lei Lei, Kangbok Lee, Rosa Oppenheim, Lian Qi, Hui Dong, and Shengbin Wang), *Supply Chain Management and Logistics: Innovative Strategies and Practical Solutions* (Edited by W. Art Chaovalitwongse and Zhe Liang), CRC Press - Taylor & Francis Group, as part of the “Industrial and Systems Engineering” series, 2014
8. A Solvable Case of Emergency Supply Chain Scheduling Problem with Multi-stage Lead Times (Kangbok Lee, Lei Lei, and Hui dong), *Journal of Supply Chain and Operations Management* (ISSN: 2167-7115), Vol. 11, No. 2, pp. 30-45, Oct., 2013
9. Operations Scheduling with Multiple Resources and Transportation Considerations (K. Lee, L. Lei, M. Pinedo, and S. Wang), *International Journal of Production Research*, Vol. 51, Issue 23-24, pp. 7071-7090, 2013
10. Solving a Variation of the Integrated Supply and Distribution Problem with Heterogeneous Vessels (Chungxin Fan, Lei Lei, and Shuguang Liu), *Journal of Supply Chain and Operations Management* (ISSN: 2167-7115), Vol. 11, No. 1, pp. 13-32, Feb., 2013
11. A Case of the Container-Vessel Scheduling Problem (Selim Bora, Endre Boros, Lei Lei), **ICORES Conference Proceedings**, 2014
12. Polynomial-time solvable cases of the capacitated multi-echelon shipping network scheduling problem with delivery deadlines (G. Wang and L. Lei), *International Journal of Production Economics*, 137 (2012), pp. 263–271
13. Production Scheduling with History-Dependent Setup Times (K. Lee, L. Lei and M. Pinedo), *Naval research Logistics*, Vol. 59, No. 1, pp. 58–68, Feb. 2012.

14. On the Integrated Supply and Distribution problem with Heterogeneous Vessels*.
Fan, C., Lei, L., and Liu, S. (2010). Proceedings of the 4th International Conference of Operations and Supply Chain Management and Decision Sciences Institute 2010 Annual Meeting, Hong Kong, July 2010. ***Asia Pacific Region Best Paper Award Winner***
15. On the Integrated Production and Distribution Problem with Bi-directional Flows (L. Lei, H. Zhong, and W. Chaovalitwongse). ***INFORMS Journal on Computing***, Vol. 21, No. 4, 2009, pp.585-598.
16. A zero-inventory production and distribution problem with a fixed customersequence* (R. Armstrong, S. Gao, and L. Lei), ***Annals of Operations Research***, special volume on Multidisciplinary Scheduling: Theory and Applications, G. Kendall, L. Lei, and M. Pinedo (eds.), Vol. 159, March 2008, pp. 395-414.
****Award winning paper: New Jersey Bright Idea Award in Operations Management (2009 Award)***
17. Collaborative vs. Non-collaborative Vessel Scheduling in Liner Shipping Operations (L. Lei, C. Fan, M. Boil, and S. Theofani), ***Transportation Research E***, Vol. 44, 2008, pp. 504-520.
18. On the Container Vessel Scheduling Problem with Conflict Objectives* (E. Boros, L. Lei, Y. Zhao, and H. Zhong), ***Annals of Operations Research***, special volume on Supply Chain Scheduling and Coordination, N. Hall, L. Lei, and M. Pinedo (eds.) Vol. 161, June 2008, pp 149-170.
****Award winning paper: New Jersey Bright Idea Award in Decision Science (2009).***
19. On the Multi-Product Packing-Delivery Problem with a Fixed Route (S. Liu, L. Lei, and S. Park), ***Transportation Research E***, Vol. 44, 2008, pp.350-360.
20. The Integrated Production and Transportation Scheduling Problem with a Short Lifespan Product and Non-Instantaneous Transportation Time (N. Geismar, G. Laporte, L. Lei and C. Sriskandarajah), ***INFORMS Journal on Computing***, Vol. 20, No. 1, 2008, pp.21-33.
21. Minimizing the Cycle Time of Multiple-Product Processing Networks with a Fixed Operation Sequence, Setups, and Time-Window Constraints (V. Kats, L. Lei*, and E. Levner), ***European Journal of Operational Research***, Vol.187, No. 3, 2008, pp. 1196–1211(**Corresponding author*).
22. Production and Distribution Planning with Many Practical Constraints (S. Liu, L. Lei, and A. Ruszczyński), ***International Journal of Operations and Quantitative Management***, Vol. 13, No. 2, 2007, pp. 129-143.

23. Container Vessel Scheduling with Bi-directional Flows (Z. Chen, L. Lei, and H. Zhong), *Operations Research Letters*, Vol. 35, 2007, pp. 186-194.
24. On the Integrated Production, Inventory, and Distribution Routing Problem (L. Lei*, S. Liu, A. Ruszczyński, and S. Park), *IIE Transactions*, Vol. 38, No. 11, November, 2006, pp. 955-970. (*Corresponding author)
25. Optimal Business Policies for a Supplier-Transporter-Buyer Channel with a Price-Sensitive Demand (L. Lei*, Q. Wang, and X. Fan), *Journal of the Operational Research Society*, Vol. 57, 2006, pp. 281-289. (*Corresponding author)
26. Multiple project scheduling with controllable project duration and hard resource constraints: some solvable cases (C. Y. Lee and L. Lei), *Annals of Operations Research – Project Scheduling*, G. Ulusoy and W. Herroelen (eds.), Vol. 102, 2001, pp. 287-307.
27. Optimal cyclic scheduling of a robotic processing line with two-product and time-window constraints (L. Lei* and Q. Liu), *INFOR*, Vol. 39, No. 2, May 2001. pp.185-199. (*Corresponding author)
28. An Efficient Algorithm for a Class of Two-resource Allocation Problems (R. Armstrong, S. Gu, and L. Lei), *INFORMS Journal on Computing*, Vol. 10, No. 1, 1998, pp. 114-120.
29. Solving a Class of Two-resource Allocation Problems by Equivalent Load Method (R. Armstrong, S. Gu, and L. Lei*), *Journal of the Operational Research Society*, Vol. 48, 1997, pp. 818-825. (*Corresponding author)
30. Current Trends in Deterministic Scheduling (C. Y. Lee, L. Lei, and M. Pinedo). *Annals of Operations Research—Scheduling: Theory and Applications*, C. Y. Lee and L. Lei (eds.), Vol. 70, 1997, pp. 1- 42.
31. Determining the Number of Transporters for a Cyclic Transportation Schedule(L. Lei, R. Armstrong, and S. H. Gu), *Applications of Management Science: Engineering*, Vol. 9, 1996, pp. 175-190.
32. A Greedy Algorithm to Determine the Number of Transporters in a Cyclic Electroplating Process (R. Armstrong, S. H. Gu, and L. Lei*), *IIE Transactions*, Vol. 28, No. 6, 1996, pp. 347-355. (* Corresponding Author)
33. An $O(N \log(1/\epsilon))$ Algorithm for the Two-resource Allocation Problem with a Non-differentiable Convex Objective Function (R. Armstrong, S. Gu, and L. Lei). *Journal of the Operational Research Society*, Vol. 46, 1995, pp.116-122.

34. A Bounding Scheme for Deriving the Minimal Cycle Time of a Single-Transporter N-Stage Process with Time-Window Constraints (R. Armstrong, L. Lei*, and S. Gu). ***European Journal of Operations Research***, Vol. 75, 1994, pp. 130-140. (*Corresponding author)
35. On the Optimal Cyclic Schedules of Single Hoist Electroplating Processes (L. Lei* and T. J. Wang), ***IIE Transactions***, Vol. 26, No. 2, 1994, pp. 25-33. (*Corresponding author)
36. Minimizing the Fleet Size for a Cyclic Transportation Schedule with Dependent Time Windows and Single-Track Constraints. (L. Lei*, R. Armstrong, and S. H. Gu)., ***Operations Research Letters***, Vol. 14, 1993, pp. 91-98. (*Corresponding author)
37. An $O(N^2 \log(N) \log(B))$ algorithm for determining the optimal integer cyclic transportation schedule with a given route, ***Computers and Operations Research***, Vol. 20, No.8, 1993, pp. 807-816.
38. The Minimum Common-Cycle Algorithm for Cyclic Scheduling of Two Hoists with Time Window Constraints (L. Lei* and T. J. Wang), ***Management Science***, Vol. 37, No. 12, 1991, pp. 1629-1639. (*Corresponding author)
39. Minimizing the Cycle Time of a Just-in-Time Manufacturing Process with a Single Transporter (R. Armstrong, L. Lei* and S.H. Gu), ***Manufacturing Research & Technology***, Vol. 12, 1991, pp. 237-246. (*Corresponding author)
40. An Expert Scheduling System for Material Handling Hoists. (A. Thesen and L. Lei), ***Journal of Manufacturing Systems***, Vol.9, No.3, 1990, pp.1-6
41. Optimizing production, inventory, and distribution for General Chemical Group (D. Bloomquist, D. Graziosi, L. Lei, A. Ruszczynski, S. Liu and H. Zhong), ***Interfaces (Practice Abstract)***, Vol. 32, No. 4, 2002, pp. 67-68.
42. Quantity Discount Models in Supply Chain (S.C. Choi, L. Lei and Q. Wang). ***Managing Business Interfaces: Marketing, Engineering, and Manufacturing Perspectives***, Chakravarti, Amiya and Jehoshua Eliashberg (eds.), Kluwer Academic Publication, 2004, pp. 133-171.
43. On the Zero-Inventory Production and Distribution Problem (R. Armstrong, L. Lei*, and S. Gao), ***Proceedings of 2005 Multidisciplinary International Conference on Scheduling: Theory and Applications***, April, 2005, pp. 428-444 (*Corresponding author)
44. A Dynamic Scheduling Algorithm for the Integrated Production and Distribution Problem (M. Kumar, L. Lei, C. Fan, and J. Yang), ***Proceedings of 2005***

Multidisciplinary International Conference on Scheduling: Theory and Applications, April, 2005, p. 701.

45. On the Single-Truck Capacitated Packing-Routing Problem with a Fixed Route (S. Liu, L. Lei, and S. Park), *Proceedings of 2005 Multidisciplinary International Conference on Scheduling: Theory and Applications*, April, 2005, p. 70.
46. Effects of Errors in Production-Inventory Systems (J. Yang, L. Lei, and Chungxin Fan), *Proceedings of 2005 Northeast Decision Sciences Institute Annual Meeting*, URL: <http://www.nedsi.org/>, March, 2005, 6 pages.
47. Coordinating a Three-Partners Supply Chain via Quantity Discount (C. Choi, L. Lei and Q. Wang), *Proceedings of 2005 Northeast Decision Sciences Institute Annual Meeting*, URL: <http://www.nedsi.org/>, March, 2005, 6 pages.
48. A Greedy Algorithm to Determine the Number of Transporters in a Cyclic Electroplating Process (R. Armstrong, S. Gu, and L. Lei*), *Proceedings of 1995 INRIA/IEEE Symposium on Emerging Technologies and Factory Automation*, Paris, France, Electronic Resources: ISBN/ISSN 0780325354, 15 pages (**Corresponding author*).
49. Dispatching Material Handling Robots in a Continuous Chemical Process with Time-window Constraints (R. Armstrong, T. Boucher, S. Gu, and L. Lei*), *Proceedings of 1994 Conference on Computer Integrated Manufacturing*, 1994, pp. 89-100 (**Corresponding author*).
50. Optimal Allocation of Two Non-Substitutable Resources among Competing Activities with Precedence Relationships (R. Armstrong, S. H. Gu, and L. Lei*), *Proceedings of ORSA Technical Section on Manufacturing Management*, 1994, pp.85-90 (**Corresponding author*).
51. Adaptive Control of Feasible Cycle Times in a Processing Line with Multiple Transporters, *Proceedings of the International Conference on Pacific Region Management*, 1993, pp. 123-131.
52. Minimizing the Cycle Time of a Just-in-time Manufacturing Process with a Single Material Handling Transporter (L. Lei*, R. Armstrong and S. Gu), *Proceedings of the 1991 International Conference on Just-in-Time Manufacturing Systems*. 1991 (**Corresponding author*).
53. Knowledge Acquisition Methods for Expert Scheduling Systems (A. Thesen, L. Lei and Y. W. Yih). *Proceedings of Winter Simulation Conference (WSC)*, 1988, pp. 709-714.
54. Development of Control Rules for State-dependent Scheduling of Material Handling

Robots. (A. Thesen and L. Lei). *Proceedings of 88's ASME International Conferences on Computers in Engineering*, 1988, pp.191-197.

55. State-Dependent Dispatching Rules and their Applications in Real Time Control of Automated Manufacturing Facilities. (A. Thesen and L. Lei). *Proceedings of 87's ASME International Conferences on in Engineering*, 1987, pp. 256-262.

56. An Expert System for Scheduling Robots in a Flexible Electroplating System with Dynamically Changing Workloads. (A. Thesen and L. Lei). *Proceedings of the 2nd ORSA/TIMS Conference on Flexible Manufacturing Systems: Operations Research Models and Applications*, K.E. Stecke and R. Suri (Eds.), 1986, pp. 555-566.

57. Mathematical Models for Planning the Power Plants in North-Western China. (H. J. Wang and L. Lei). *IEEE Proceedings of Sino-America Control Engineering Conference*. 1982.

INVITED SPEAKER TO INDUSTRIES & ACADEMIC INSTITUTIONS

- . John B. Campbell Lecture, Rohrer College of Business, Rowan University, 2010
- . School of Management, University of Texas-Dallas, May 21, 2006.
- . New Jersey Inst.of Tech., School of Indus. Engr, October 2005
- . School of Management, University of Texas-Dallas, April 2003
- . New Jersey Chapter of INFORMS, October, 2001
- . Rutgers Center of Operations Research (RUTCOR), November 1999
- . UC-Berkeley, Haas School of Business, October 1999
- . Columbia University, IEOB Department, NY, November 1995
- . New York Blood Center/Canon Associates, NY, October 1994
- . Rutgers Center of Operations Research (RUTCOR), December 1993
- . New Jersey Inst.of Tech., School of Indus. Engr, April 1991
- . Philips Lab, North American Philips, NY. September 1990

REFEREES

- . Management Science
- . Operations Research
- . ORSA Journal on Computing
- . IIE Transactions
- . Navel Research Logistics
- . Journal of the Operational Research Society
- . Journal fo Supply Chain Management
- . Annals of Operations Research
- . Computers & Operations Research

- . IEEE Transactions on Robotics and Automation
- . National Science Foundation (2000, 2003, 2007)
- . European Journal of Operations Research
- . Mathematical and Computer Modeling

SESSION CHAIRS FOR ACADEMIC CONFERENCES

- Chair for invited session: Supply Chain Scheduling & Optimization, INFORMS
Minneapolis, October 6-10, 2013
- Chair for invited session: New Trends in Scheduling, INFORMS Charlotte, November
13-16, 2011
- Chair, Program Workshop: Latest developments in scheduling research and practice.
April 30, 2010, Stern School of Business, NYU.
- Co-Chair for Invited Session: Scheduling, INFORMS San Diego, October 11-14, 2009
- Co-Chair for Invited Session: Scheduling, INFORMS-Seattle, November, 2007.
- Chair for Invited Session: Supply Chain Scheduling and Optimization, INFORMS-
Pittsburgh, November, 2006.
- Co-chair for invited session: Supply Chain Scheduling and Optimization, INFORMS-
International, Hong Kong, June, 2006.
- Chair for invited session: Supply Chain Optimization, INFORMS-San Francisco,
November, 2005
- Chair for invited session: Supply Chain Optimization, INFORMS-Denver,
October, 2004
- Chair for invited session: Supply Chain Optimization, INFORMS-San Jose,
November, 2002
- Cluster Chair: Scheduling, INFORMS-San Antonio, November, 2000
- Chair for invited session: Supply Chain Scheduling, INFORMS-San Antonio,
November, 2000
- Chair for invited session: Scheduling, INFORMS-1998, Montreal, April 25-28, 1998.
- Chair for invited session: Recent developments in scheduling, INFORMS-1997, San
Diego, April 26-29, 1997.
- Chair for invited session: Scheduling in practice I, INFORMS-1996, Atlanta,
November 4-7, 1996.
- Chair for invited session: Scheduling in practice II, INFORMS-1996, Atlanta,
November 4-7, 1996.
- Chair for invited session: Scheduling in practice III, INFORMS-1996, Atlanta,
November 4-7, 1996.
- Chair for invited session: New Results in Scheduling Algorithms I, INFORMS-
1996, Washington D.C., May 8-10, 1996.
- Chair for invited session: New Results in Scheduling Algorithms II, INFORMS-
1996, Washington D.C., May 8-10, 1996

Chair for invited session: Issues in Scheduling, TIMS XXXIII International- Singapore, June 25-28, 1995

Chair for invited session: Issues in Decision Support Systems, TIMS XXXIII International-Singapore, June 25-28, 1995

Chair for session: Scheduling I, ORSA Technical Section on Manufacturing Management, Pittsburgh, PA, June 27-28, 1994

Chair for sponsored session: Routing & Scheduling of Material Handling Vehicles, ORSA/TIMS Meeting, Boston, April 24-27, 1994.

Chair for sponsored session: Resource Allocation: Modeling and Applications TIMS/ORSA Meeting, Chicago, May 16-19, 1993.

Chair for invited session: Transportation: Issues and Models III, ORSA/TIMS Meeting, San Francisco, November 2-4, 1992.

Chair for invited session: Vehicle Routing and Scheduling(TA32), TIMS/ORSA Meeting, Nashville, May 12-15, 1989.

Chair for invited session: Scheduling (MC39), ORSA/TIMS Meeting. New York, October 16-18, 1989.

Chair for contributed session: Vehicle Routing and Scheduling, TIMS/ORSA Meeting, May, 1989.

Chair for invited session: Artificial Intelligence in Manufacturing, ASME, International Conference of Computers in Engineering, 1988.

Chair for invited Session: Expert System in Real Time Control, ASME, International Conference of Computers in Engineering, 1987.

ACADEMIC CONFERENCE PRESENTATIONS

1. (Invited) Emergency Logistics with Renewable and Non-Renewable Resources (With Lian Qi and Shengbin Wang), INFORMS Minneapolis, October 7, 2013
2. (Invited) Supply Chain Scheduling with Renewable and Non-Renewable Resources (With Kangbok Lee, Michael Pinedo and Shengbin Wang), INFORMS Phenix, October 14, 2012
3. (Clustered) A Solution Approach for Capacitated Multi-echelon Supply Chain Network Problem (With Kangbok Lee and Hui Dong), INFORMS Phenix, October 15, 2012
4. (Contributed) Emergency Operations Scheduling of a Supply Chain Network (With Kangbok Lee and Hui Dong), INFORMS Phenix, October 16, 2012
5. (Clustered) Optimal Allocation of Renewable and Non-Renewable Resources in Disasters (With Shengbin Wang), INFORMS Phenix, October 16, 2012
6. (Invited) Production Scheduling with History-Dependent Setup Times (With Kangbok Lee and Michael Pinedo), INFORMS Charlotte, November 14, 2011
7. (Contributed) Hybrid Heuristic Algorithm for the Capacitated Multi-Echelon Shipping Network Scheduling Problem with Delivery Deadlines (G. Wang and L. Lei), INFORMS Charlotte, November 16, 2011

8. (Invited) On Multimodal-Shipping Scheduling Problem with Customer Receiving Deadlines (With Gang Wang), INFORMS San Diego, October 11-14, 2009
9. (Invited) On the Vessel Scheduling Problem with Multi-loading Capacities (with Endre Boros and Selim Bora), INFORMS Washington, October 14, 2008
10. (Invited) Container Vessel Scheduling: Some Solvable Cases (with S. Bora and E. Boros) INFORMS-2007, Seattle, November 4-7, 2007.
11. (Invited) Container Vessel Scheduling with Multiple Capacity Levels (with S. Bora and W. Chaovalitwongse) MISTA-2007, Paris, August 26-28, 2007.
12. (Invited) Solving the Coastal Gasoline Inventory-Distribution Problem (with A. Chaovalitwongse, S. Gao, and W. Chen) INFORMS-2006, Pittsburgh, November 4-6.
13. (Invited) Container Vessel Scheduling with Bi-directional Flows (with Z. Chen), INFORMS-International, Hong Kong, June, 2006.
14. (Invited) Optimizing the Production and Transportation Schedules in a Zero-Inventory Process (with R. Armstrong and S. Gao), INFORMS-2005, San Francisco, Nov. 13-16.
15. (Invited) On the Integrated Port-Vessel Scheduling Problem (with Y. Zhao and H. Zhong), INFORMS-2005, San Francisco, Nov. 13-16.
16. (Invited) On the Zero-Inventory Production and Distribution Problem with Time Window Constraints (with R. Armstrong and S. Gao), INFORMS-2004, Denver, Oct. 24-27.
17. (Invited) On the Integrated Inventory and Distribution Problem with Bi-directional Flows (with H. Zhong), INFORMS-2004, Denver, Oct. 24-27.
18. (Invited) The Integrated Production and Transportation Scheduling Problem with Expiring Product and Non-Instantaneous Transportation Time (with C. Sriskandarajah & N. Geismar), INFORMS-2003, Atlanta, GA, Oct. 19-22.
19. (Invited) Strategic facility location analysis for supply chains of a short shelf-life chemical product (with A. Pil), INFORMS-2002, San Jose, CA, Nov. 18-20.
20. (Invited) Designing a supply network with many practical constraints (with Ruszczynski, S. Liu and H. Zhong), INFORMS-2001, Miami, FL, Nov. 4-7, 2001.
21. (Invited) Minimizing the lead time of a supply chain for hazardous products (with Shuguang Liu), INFORMS-2000, San Antonio, Nov. 4-7, 2000.
22. (Invited) On the two-machine multiple-part scheduling problem with no-wait constraints (with Qing Liu), INFORMS-2000, San Antonio, Nov. 4-7, 2000.
23. (Invited) On the optimal selection of packing box designs (with L. G. Gong and Z. B. Wang), INFORMS-2000, Salt Lake City, May 7-9, 2000.
24. (Invited) On the multiple-product single material handling hoist cyclic scheduling problems (with Q. Liu), INFORMS-1999, Cincinnati, May 2-5, 1999.
25. (Invited) On the large scale aircraft scheduling problem with many complex practical constraints (with L. Shi, A. Olecka, C. Gomes), INFORMS-1998, Montreal, April 25-28, 1998.

26. (Invited) Solving large scale aircraft scheduling problems with time-windows and release-due time constraints (with C. Gomes and A. Olecka), INFORMS-1997, San Diego, April 26-29, 1997.
27. (Invited) Cyclic Hoist Scheduling: The multiple-product case (with Qin Liu), INFORMS-1996, Atlanta., November 3-6, 1996.
28. (Invited) Special case solutions for resource-constrained job shop scheduling with controllable processing times (with Chung-Yee Lee), INFORMS-1996, Atlanta., November 3-6, 1996..
29. (Invited) Scheduling of a robotic processing line with time-variant parameters (with Qin Liu), INFORMS-1996, Washington D.C., May 8-10, 1996.
30. (Invited) Resource-constrained job shop scheduling with controllable processing times (with Chung-Yee Lee), INFORMS-1996, Washington D.C., May 8-10, 1996.
31. (Invited) Vehicle routing and dispatching for a major US blood center (with Herbert Tay). INFORMS-1996, Washington D.C., May 8-10, 1996.
32. (Invited) Scheduling Machine and Material Handling Operations in a Multi-product Processing Line, TIMS XXXIII International-Singapore, June 25-28, 1995.
33. (Invited) Solving the Two-resource Allocation Problem on Series-parallel (S-P) Graphs (with R. Armstrong and Z. Wang), TIMS XXXIII International-Singapore, June 25-28, 1995.
34. (Invited) On the Optimal Layout Design of a Robotic Electroplating line (with S.H. Gu and Z. Wang), TIMS XXXIII International-Singapore, June 25-28, 1995.
35. (Invited) Maximizing the Utilization of Transporters in a Cyclic Material Handling Process (with R. Armstrong and S. Gu), ORSA/TIMS Joint National Meeting. Detroit, Oct. 23-26, 1994.
36. Minimizing the Fleet Size of Material Handling Transporters in a Circular Layout System with a Given Cycle Time (with R. Armstrong and S.H. Gu), The Annual Meeting of POM-94, Washington, Oct. 1994.
37. An Algorithm for Multiple Resource Allocation Problem (with R. Armstrong and S.H. Gu), TIMS/ORSA Joint National Meeting. Chicago, May 16-19, 1993.
38. Scheduling Algorithms for Partially Ordered Tasks with Convex Time-cost Functions (with T.J. Wang), TIMS/ORSA Joint National Meeting. Chicago, May 16-19, 1993.
39. Allocation of Discrete Resources to Minimize the Execution Time of a Set of Partially Ordered Tasks, ORSA/TIMS Joint National Meeting. San Francisco, Nov. 2-4, 1992.
40. Determining the Fleet Size for a Cyclic Transportation Schedule with Time-window and Single-track Constraints (with R. Armstrong and S.H. Gu), ORSA/TIMS Joint National Meeting. San Francisco, Nov. 2-4, 1992.
41. Adaptive Control of Feasible Cycle Times in a Processing Line with Multiple Transporters. International Conference of Pacific Region Management, Washington DC, 1992.

42. An Exact Algorithm for Convex Resource Allocation Problems on Directed Acyclic Graphs (with T.J. Wang). ORSA/TIMS Joint National Meeting. Anaheim, Nov. 2-6, 1991.
43. A Branch-and-Bound Procedure for Cyclic Scheduling of Vehicles with Hard Time Windows (with R. Armstrong and S.H. Gu). TIMS /ORSA Joint National Meeting. Nashville, May. 12-15, 1991.
44. A Three-Phase Primal Simplex Algorithm for the Linear Programming Problems (with T.J.Wang). TIMS /ORSA Joint National Meeting. Nashville, May. 12-15, 1991.
45. On the Optimal Cyclic Schedules on Hoists in an Automated Electroplating Process (with T.J.Wang). ORSA/TIMS Joint National Meeting. New York, Oct. 1989.
46. Simulation of CIM Control System with Embedded Expert Systems (with A. Thesen and T.J. Wang). The 12th IMACS World Congress '88 on Scientific Computation. Paris, July 18-22, 1988.
47. A state-dependent algorithm for sequencing the operations of material handling robots (with A. Thesen) TIMS/ORSA Joint National Meeting. Washington DC, Apr. 1988.
48. Efficient scheduling of moves on an automated electroplating line with changing workloads (with A. Thesen) TIMS/ORSA Joint National Meeting. Washington DC, Apr. 1988.
49. A State-dependent Heuristic Algorithm for Certain Type of Real Time Scheduling Problems, 88's International ASME Computers in Engineering. San Francisco, July, 1988.
50. State-Dependent Dispatching Rule and its Applications in Real Time Control of Automated Manufacturing Facilities (with A. Thesen), 87's International ASME Computers in Engineering, New York, Aug. 1987.
51. State-Dependent Selection of Heuristics for Real Time Scheduling an Extended Overview and Analysis (with A. Thesen). ORSA/TIMS Joint National Meeting, St. Louis, Oct. 1987.
52. Knowledge Acquisition Methods for Expert Scheduling Systems (with A. Thesen & Y. W. Yih). Winter Simulation Conference (WSC). Atlanta, Georgia, Dec. 14-16, 1987.
53. An Expert System for Scheduling Robots in a Flexible Electroplating System with Dynamically Changing Workloads (with A. Thesen). The Second Conference on Flexible Manufacturing Systems. Ann Arbor, Michigan, Aug. 12-15, 1986.
54. A Survey of Knowledge Acquisition Methods for Expert Systems in Manufacturing applications (with A. Thesen). TIMS/ ORSA Joint National Meeting. Miami, Oct. 1986.
55. A Spatial Modeling Language for Simulation of Automated Material Handling Systems (with T. J. Wang and A. Thesen). TIMS/ ORSA Joint National Meeting. Miami, Oct. 1986.

56. An Expert Approach to Manage Certain Production Lines in a Highly Dynamic Environment (with A. Thesen). TIMS/ ORSA Joint Meeting. Miami, Oct. 1986.
57. Using Simulation to Develop the Knowledge Base for a Robot Scheduling System(with A. Thesen). ORSA/ TIMS Joint National Meeting. Atlanta, Nov. 1985.

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