

GEORGE LIBEROPOULOS

March 2019

University of Thessaly (UTH) | School of Engineering | Department of Mechanical Engineering
Pedion Areos, 383 34 Volos, Greece

t: (+30) 24210 74056 | f: (+30) 24210 74059 | e: glib@mie.uth.gr | <http://www.mie.uth.gr/Liberopoulos.html>

SCIENTIFIC INTERESTS

Systems analysis with the use of operations research, applied probability and automatic control methods, and applications in production/operations planning/control, supply chain management, design of electricity markets, et al.

EDUCATION

Earned Degrees

- Ph.D., Manufacturing Engineering, Boston University, USA, 1993.
- M.Eng., Mechanical Engineering, Cornell University, USA, 1986.
- B.S., Mechanical Engineering, Cornell University, USA, 1985.

ACADEMIC POSITIONS

- Professor, Department of Mechanical Engineering, University of Thessaly, Greece, 2008-present.
- Associate Professor, Department of Mechanical Engineering, University of Thessaly, Greece, 2003-2008.
- Assistant Professor, Department of Mechanical Engineering, University of Thessaly, Greece, 1996-2003.
- Visiting Research Scientist, Laboratoire de Méthodologie et Architecture des Systèmes Informatiques (currently Laboratoire d'Informatique de Paris 6), CNRS-Université Pierre et Marie Curie (Paris 6), France, 1994-1996.
- Lecturer, Department of Manufacturing Engineering, Boston University, USA, 1993.

PROFESSIONAL ACTIVITIES

Editorial Appointments

- Guest Editor, 1 book volume, 9 journal special issues/volumes, and 1 conference proceedings volume, 2000-present (see “Publications”).
- *Flexible Services & Manufacturing Journal*: Editor 2009-2017, Associate Editor 2017-present.
- *OR Spectrum*: Editor 2001-2009, Advisory Board Member 2010-present.
- *IISE Transactions (Design and Manufacturing)*: Editorial Board Member 1997-2006, Chairman of Selection Committee for “Best Papers” 2006-2007, Area Editor 2006-present.

ADMINISTRATIVE ACTIVITIES

Department of Mechanical Engineering

- Chairman, 2007-2009.
- Vice Chairman, 2005-2007.
- Director, Graduate Studies Program, 2005-2007.
- Director, Production Management Laboratory, 1998-present.

University of Thessaly

- Vice President, University Research Committee, 2005-2008.

Outside the University of Thessaly

- Member, Regulatory Authority for Railways, Greece, 2011-2017.

TEACHING AND SUPERVISION

PhD Theses, Department of Mechanical Engineering, University of Thessaly.

1. Koukoumialos, S. 2003, *Performance Evaluation and Properties of Kanban-Type Policies for the Coordination of Multistage Production/Inventory Systems.*
2. Tsarouhas, P. 2005. *Quantitative Analysis of the Reliability, Quality, and Performance of Automated Production Systems.*
3. Tsikis, I. 2007. *Quantitative Analysis of the Impact of Stockouts in Inventory Management.*
4. Hatzikonstantinou, O. 2009. *Production Scheduling Optimization in a PET Resin Chemical Industry.*
5. Andrianesis, P. 2016. *Analysis and Evaluation of Pricing Mechanisms in Markets with Non-Convexities with Reference to Electricity Markets.*
6. Deligiannis, M. 2021 (expected). *Stochastic Modelling of Production-Inventory Systems.*

PUBLICATIONS

Dissertations

1. Liberopoulos G (1993) *Flow Control of Failure Prone Manufacturing Systems: Controller Design Theory and Applications.* PhD Dissertation, Department of Manufacturing Engineering, Boston University.

Edited Book Volumes and Special Issues of Scientific Journals

1. Dallery Y, Liberopoulos G, Zijm WHM (2000) Editorial (special issue of Design and Manufacturing on Decentralized Control of Manufacturing Systems). *IIE Transactions* 32(10): v-vi.
2. Liberopoulos G, Tan B, Gershwin SB, Papadopoulos CT, Smith JM (2004) Preface (double volume on Stochastic Models of Production-Inventory Systems, Parts I-II). *Annals of Operations Research* 125(1-4):17-19, 126(1-4):17-19.
3. Liberopoulos G, Papadopoulos CT, Tan B, Smith JM, Gershwin SB (2005) Editorial: Stochastic Models for the Design, Coordination, and Control of Manufacturing Systems. *OR Spectrum* 27(2-3):167-169.
4. Liberopoulos G, Papadopoulos CT, Tan T, Smith JM, Gershwin SB (2006) Editorial – Stochastic Modeling of Manufacturing Systems: Advances in Design, Performance Evaluation and Control Issues, *Stochastic Modeling of Manufacturing Systems: Advances in Design, Performance Evaluation and Control Issues* (expanded reprint of *OR Spectrum* 27(2-3):2005), Springer, Berlin, ISBN: 978-3-540-26579-5, v-viii.
5. Buzacott J, Gershwin SB, Liberopoulos G, Meerkov SM, Papadopoulos C, Tan B, Smith JM (2008) Foreword (special issue on Stochastic Models for the Evaluation, Design, and Operation of Manufacturing Systems). *IIE Transactions* 40(3):161-161.
6. van Woensel T, Buzacott J, Gershwin S, Liberopoulos G, Smith JM, Meerkov S, Tan B (2011) Introduction to the special issue on Advances in Manufacturing Systems. *Annals of Operations Research* 182(1):1-3.
7. Liberopoulos G, Papadopoulos CT, Smith JM, Tolio T (2013) Editorial: Stochastic models of manufacturing and service system operations. *Annals of Operations Research* 209(1):1-3.
8. Liberopoulos G (2015) Preface. *Proc. 10th Conference on Stochastic Models of Manufacturing and Service Operations.* University of Thessaly Press, Volos, Greece, ISBN: 978-960-9439-33-6, vii-viii.

9. Tan B, Gershwin SB, Liberopoulos G, Meerkov SM, Papadopoulos CT (2015) Advances in stochastic models of manufacturing and service operations. *Annals of Operations Research* 231(1):1-3.
10. Liberopoulos G, Papadopoulos CT, Smith JM, Tempelmeier H, Tolio T (2016) Editorial: New Developments in Stochastic Models of Manufacturing and Service Operations. *International Journal of Production Research* 54(2):6102-6104.
11. Liberopoulos G, Heavey C, Helber S, Karaesmen F, Matta A (2018) Editorial: Contributions to stochastic models of manufacturing and service operations. *IIEE Transactions* 50(3):141-142.

Book Chapters

1. Karaesmen F, Liberopoulos G, Dallery Y (2003) Production/inventory control with advance demand information. Shanthikumar JG, Yao DD, Zijm WHM, eds. *Stochastic Modeling and Optimization of Manufacturing Systems and Supply Chains*, International Series in Operations Research and Management Science, Vol. 63, Kluwer, Boston, MA, Ch. 10, 243-270.
2. Liberopoulos G, Tsikis I (2003) Unified modeling framework of multi-stage production-inventory control policies with lot-sizing and advance demand information. Shanthikumar JG, Yao DD, Zijm WHM, eds. *Stochastic Modeling and Optimization of Manufacturing Systems and Supply Chains*. International Series in Operations Research and Management Science, Vol. 63, Kluwer, Boston, MA, Ch. 11, 271-297.
3. Koukoumialos S, Liberopoulos G (2005) An analytical method for the performance evaluation of echelon kanban control systems. Liberopoulos G, Papadopoulos CT, Tan B, Smith JM, Gershwin SB, eds. *Stochastic Modeling of Manufacturing Systems: Advances in Design, Performance Evaluation and Control Issues* (expanded reprint of *OR Spectrum* 27(2-3) 2005), Springer, Berlin, Ch. 9, 193-222.
4. Liberopoulos G (2013) Production release control: Paced, WIP-based, or demand-driven? Revisiting the push/pull and make-to-order/make-to-stock distinctions. Smith JM, Tan B, eds. *Handbook of Stochastic Models and Analysis of Manufacturing System Operations*. International Series in Operations Research and Management Science, Vol. 192, Springer, New York, NY, Ch. 7, 211-247.

Articles in Scientific Journals

1. Caramanis M, Liberopoulos G (1992) Perturbation analysis for the design of flexible manufacturing system flow controllers. *Operations Research* 40(6):1107-1125.
2. Liberopoulos G, Caramanis M (1994) Production control of manufacturing systems with production rate dependent failure rates. *IEEE Transactions on Automatic Control* 39(4):889-895.
3. Liberopoulos G, Caramanis M (1994) Infinitesimal perturbation analysis for second derivative estimation and design of manufacturing flow controllers. *Journal of Optimization Theory and Applications* 81(2):297-327.
4. Liberopoulos G, Hu J-Q (1995) On the ordering of optimal hedging points in a class of manufacturing flow control models. *IEEE Transactions on Automatic Control* 40(2):282-286.
5. Liberopoulos G, Caramanis M (1995) Dynamics and design of a class of parameterized manufacturing flow controllers. *IEEE Transactions on Automatic Control* 40(6):1018-1028.
6. Liberopoulos G, Caramanis M (1997) Numerical investigation of optimal policies for production flow control and set-up scheduling: Lessons from two-part-type, failure-prone FMSs. *International Journal of Production Research* 35(8):2109-2133.
7. Liberopoulos G, Dallery Y (2000) A unified framework for pull control mechanisms in multi-stage manufacturing systems. *Annals of Operations Research* 93(1-4):325-355.

8. Dallery Y, Liberopoulos G (2000) Extended kanban control system: Combining kanban and base stock. *IIE Transactions* 32(4):369-386.
9. Chaouiya C, Liberopoulos G, Dallery Y (2000) The extended kanban system for production coordination of assembly systems. *IIE Transactions* 32(10):999-1012.
10. Liberopoulos G, Tsarouhas P (2002) Systems analysis speeds up Chipita's food-processing line. *Interfaces* 32(3):62-76.
11. Liberopoulos G, Dallery Y (2002) Base stock versus WIP cap in single-stage make-to-stock production-inventory systems. *IIE Transactions* 34(7):627-636.
12. Liberopoulos G (2002) Production capacity modeling of alternative, nonidentical, flexible machines. *International Journal of Flexible Manufacturing Systems* 14(4):345-359.
13. Liberopoulos G, Dallery Y (2003) Comparative modelling of multi-stage production-inventory control policies with lot sizing. *International Journal of Production Research* 41(6):1273-1298.
14. Karaesmen F, Liberopoulos G, Dallery Y (2004) The value of advance demand information in production/inventory systems. *Annals of Operations Research* 126(1-4):135-157.
15. Tsarouhas P, Liberopoulos G (2004) Determining quality inspection frequency in an automated production line based on field failure data analysis. *Operational Research: An International Journal* 4(3):305-315.
16. Liberopoulos G, Tsarouhas P (2005) Reliability analysis of an automated pizza processing line. *Journal of Food Engineering* 69(1):79-96.
17. Liberopoulos G, Koukoumialos S (2005) Tradeoffs between base stock levels, numbers of kanbans and production lead times in production-inventory systems with advance demand information. *International Journal of Production Economics* 96(2):213-232.
18. Koukoumialos S, Liberopoulos G (2005) An analytical method for the performance evaluation of echelon kanban control systems. *OR Spectrum* 27(2-3):339-368.
19. Liberopoulos G, Kozanidis G, Tsarouhas P (2007) Performance evaluation of an automatic transfer line with WIP scrapping during long failures. *Manufacturing & Service Operations Management* 9(1):62-83.
20. Liberopoulos G (2008) On the tradeoff between optimal order-base-stock levels and demand lead-times. *European Journal of Operational Research* 190(1):136-155.
21. Liberopoulos G, Koukoumialos S (2008) On the effect of variability and uncertainty in advance demand information on the performance of a make-to-stock supplier. *MIBES Transactions International Journal* 2(1):95-114.
22. Andrianesis P, Liberopoulos G, Sakellaris K, Vlachos A (2009) Impacts of reserve and fixed costs on Greece's day-ahead scheduling problem. *Euro-Asian Journal of Sustainable Energy Development Policy* 2(2):45-53.
23. Liberopoulos G, Tsikis I, Delikouras S (2010) Backorder penalty cost coefficient "b": What could it be? *International Journal of Production Economics* 123(1):166-178.
24. Liberopoulos G, Kozanidis G, Hatzikonstantinou O (2010) Production scheduling of a multi-grade PET resin plant. *Computers and Chemical Engineering* 34(3):387-400.
25. Kozanidis G, Liberopoulos G, Pitsilkas C (2010) Flight and maintenance planning of military aircraft for maximum fleet availability. *Military Operations Research* 15(1):53-73.
26. Andrianesis P, Biskas P, Liberopoulos G (2011) An overview of Greece's wholesale electricity market with emphasis on ancillary services. *Electric Power Systems Research* 81(8):1631-1642.

27. Andrianesis P, Liberopoulos G, Kozanidis G, Papalexopoulos AD (2013) Recovery mechanisms in day-ahead electricity markets with non-convexities – Part I: Design and evaluation methodology. *IEEE Transactions on Power Systems* 28(2):960-968.
28. Andrianesis P, Liberopoulos G, Kozanidis G, Papalexopoulos AD (2013) Recovery mechanisms in day-ahead electricity markets with non-convexities – Part II: Implementation and numerical evaluation. *IEEE Transactions on Power Systems* 28(2):969-977.
29. Liberopoulos G, Pandelis DG, Hatzikonstantinou O (2013) The stochastic economic lot sizing problem for non-stop multi-grade production with sequence-restricted setup changeovers. *Annals of Operations Research* 209(1):179-205.
30. Kozanidis G, Kostarelou E, Andrianesis P, Liberopoulos G (2013) Mixed integer parametric bilevel programming for optimal strategic bidding of energy producers in day-ahead electricity markets with indivisibilities. *Optimization* 62(8):1045-1068.
31. Saharidis GKD, G. Kolomvos G, Liberopoulos G (2014) Modeling and solution approach for the environmental traveling salesman problem. *Engineering Letters* 22(2):70-74.
32. Kozanidis G, Gavranis A, Liberopoulos G (2014) Heuristics for flight and maintenance planning of mission aircraft. *Annals of Operations Research* 221(1):211-238.
33. Liberopoulos G, Andrianesis P (2016) Critical review of pricing schemes in markets with non-convex costs. *Operations Research* 64(1):17-31.
34. Liberopoulos G (2018) Performance evaluation of a production line operated under an echelon buffer policy. *IIE Transactions* 50(3):161-177.
35. Liberopoulos G (2019) Comparison of optimal buffer allocation in glow lines under installation buffer, echelon buffer, and CONWIP policies. *Flexible Services and Manufacturing Journal* <https://doi.org/10.1007/s10696-019-09341-y>.

Articles in Conference Proceedings

1. Liberopoulos G, Caramanis M (1991) Flow control of stochastic manufacturing systems: A simulation-based design approach using perturbation analysis for second derivative estimation. *Proc. 1991 American Control Conference, IEEE, Boston, Massachusetts, 21-23 June, 455-456.*
2. Dallery Y, Liberopoulos G (1995) A new kanban-type pull control mechanism for multi-stage manufacturing systems. *Proc. 3rd European Control Conference (ECC'95), EUCA/ IFAC/IEEE, Rome, Italy, 5-8 September, 4(2):3543-3548.*
3. Liberopoulos G, Dallery Y (1995) On the optimization of a single-stage generalized kanban control system in manufacturing. *Proc. 1995 INRIA/IEEE Symposium on Emerging Technologies and Factory Automation (ETFA '95), Paris, France, 10-13 October, 3:437-444.*
4. Liberopoulos G (1997) On pull production control systems in multi-stage manufacturing systems. *Proc. International Workshop on Performance Evaluation and Optimization of Production Lines, Samos Island, Greece, 19-22 May, 61-72.*
5. Chaouiya C, Liberopoulos G, Dallery Y (1997) Extended kanban control systems for assembly manufacturing systems. *Proc. International Conference on Industrial Engineering and Production Management, Lyon, France, 20-24 October, I:325-335.*
6. Liberopoulos G, Koukoumialos S (2001) Numerical investigation of tradeoffs in production-inventory control policies with advance demand information. *Proc. 3rd Aegean International Conference on Design and Analysis of Manufacturing Systems, Tinos Island, Greece, 19-22 May, 151-160.*

7. Selvaraj N, Janardhan Reddy TA, Rao CSP, Liberopoulos G (2002) A comparative analysis of hybrid pull – production control mechanisms. *Proc. 2nd International Conference on Responsive Manufacturing (ICRM 2002)*, Gaziantep, Turkey, 26-28 June, 67-71.
8. Selvaraj N, Rao CSP, Liberopoulos G (2002) Simulation analysis of pull production system with machine breakdowns. *Proc. 4th Asia-Pacific Conference on Industrial Engineering and Management Systems*, Taipei, Taiwan, 18-20 December, 4 pages.
9. Liberopoulos G, Chronis A, Koukoumialos S (2003) Base stock policies with some unreliable advance demand information. *Proc. 4th Aegean International Conference on Analysis of Manufacturing Systems*, Samos Island, Greece, 1-4 July, 77-86.
10. Liberopoulos G, Kozanidis G, Tsarouhas P (2005) Analysis of a bufferless, paced automatic transfer line with massive scrapping of material during long failures. *Proc. 5th International Conference on Analysis of Manufacturing Systems–Production Management*, Zakynthos Island, Greece, 20-25 May, 119-126.
11. Liberopoulos G, Tsikis I (2007) Competing for customer goodwill on product availability. *Proc. 6th Conference on Analysis of Manufacturing Systems*, Lunteren, The Netherlands, 11-16 May, 45-50.
12. Kozanidis G, Gavranis A, Liberopoulos G (2008) Heuristics for maximizing fleet availability subject to flight and maintenance requirements. *Proc. 10th International Conference on Application of Advance Technologies in Transportation (AATT 2008)*, Athens, 27-31 May, 15 pages.
13. Liberopoulos G, Koukoumialos S (2008) On the effect of variability and uncertainty in advance demand information on the performance of a make-to-stock supplier. *Proc. Management of International Business and Economic Systems Conference 2008 (MIBES 2008)*, Larissa, Greece, 4-5 July, 282-301.
14. Andrianesis P, Liberopoulos G, Sakellaris K, Vlachos A (2008) Impacts of reserve and fixed costs on Greece’s day-ahead scheduling problem. *Proc. PROMITHEAS–2nd International Black Sea Energy Policy Conference, “Energy Investments and Trade Opportunities,”* Athens, Greece, 8-9 October, 8 pages.
15. Andrianesis P, Liberopoulos G, Kozanidis G (2008) Energy and reserve interaction in Greece’s electricity market. *Proc. 6th Mediterranean Conference on Exhibition and Power Generation, Transmission and Distribution (MedPower 2008)*, Thessaloniki, Greece, 2-5 November, 6 pages.
16. Andrianesis P, Liberopoulos P, Papalexopoulos A (2009) Application of zonal pricing in Greece’s electricity market. *Proc. 6th International Conference on the European Energy Market (EEM 2009)*, IEEE, Leuven Belgium, 27-29 May, 8 pages.
17. Liberopoulos, G, Pandelis D, Hatzikonstantinou O (2009) The stochastic economic lot sizing problem for continuous multi-grade production. *Proc. 7th Conference on Stochastic Modeling of Manufacturing and Service Operations (SMMSO 2009)*, Ostuni, Italy, 7-12 June, 250-258.
18. Andrianesis P, Liberopoulos G, Kozanidis G (2009) Energy reserve markets with non-convexities: An empirical analysis. *Proc. PowerTech Bucharest 2009, “Innovative Ideas toward the Electrical Grids of the Future,”* IEEE, Bucharest, Romania, 28 June-2 July, 8 pages.
19. Hatzikonstantinou O, Liberopoulos G, Pandelis D (2009) The stochastic economic lot sizing problem for continuous multi-grade production. *Proc. Management of International Business and Economic Systems Conference 2009 (MIBES 2009)*, Florina, Greece, 18-20 September, 189-199.
20. Andrianesis P, Liberopoulos G, Biskas P (2009) Tertiary reserve in Greece’s electricity market: The need for “peakers”. *Proc. Conference on the promotion of Distributed Renewable Energy Sources in the Mediterranean region (DISTRES)*, Nicosia, Cyprus, 11-12 December, Paper ref No: 134, 7 pages.

21. Andrianesis P, Liberopoulos G, Kozanidis G, Papalexopoulos A (2010) Recovery mechanisms in a joint energy/reserve day-ahead electricity market with non-convexities. *Proc. 7th International Conference on the European Energy Market (EEM 2010)*, IEEE, Madrid, Spain, 23-25 June, 6 pages.
22. Andrianesis P, Liberopoulos G, Biskas P (2010) Impact of emissions cost on mid-term generation scheduling in the Greek electricity market. *Proc. 7th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2010)*, IEEE, Agia Napa, Cyprus, 7-10 November, paper no. MED 10/140, 10 pages.
23. Andrianesis P, Liberopoulos G, Biskas P, Bakirtzis A (2011) Medium-term unit commitment in a pool market. *Proc. 8th International Conference on the European Energy Market (EEM 2011)*, IEEE, Zagreb, Croatia, 25-27 May, 8 pages.
24. Andrianesis P, Liberopoulos G, Kozanidis G, Papalexopoulos A (2011) A recovery mechanism with loss-related profits in a day-ahead electricity market with non-convexities. *Proc. PowerTech Trondheim 2011*, IEEE, Trondheim, Norway, 19-23 June, 6 pages.
25. Kozanidis G, Kostarelou E, Andrianesis P, Liberopoulos G (2011) Mixed integer bilevel programming for optimal bidding strategies in day-ahead electricity markets with indivisibilities. *Proc. 1st International Symposium & 10th Balkan Conference on Operational Research*, Thessaloniki, Greece, 22-25 September, 8 pages.
26. Andrianesis P, Liberopoulos G (2012) The “hidden cost” of renewable energy sources in electricity pool markets. *Proc. 9th International Conference on the European Energy Market (EEM '12)*, IEEE, Florence, Italy, 10-12 May, 8 pages.
27. Andrianesis P, Liberopoulos G, Papalexopoulos A (2012) Greek wholesale electricity market: Forthcoming market changes and bid/cost recovery. *Proc. 8th Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2012)*, IEEE, Cagliari, Italy, 1-3 October, 6 pages.
28. Liberopoulos G (2013) Production release control and the push/pull and make-to-order/make-to-stock distinctions. *Proc. 9th Conference on Stochastic Modeling of Manufacturing and Service Operations (SMMSO 2013)*, Kloster Seeon, Germany, 25-30 May, 113-120.
29. Andrianesis P, Liberopoulos G (2013) On the design of electricity auctions with non-convexities and make-whole payments. *Proc. 10th International Conference on the European Energy Market (EEM 2013)*, IEEE, Stockholm, Sweden, 28-30 May, 8 pages.
30. Andrianesis P, Liberopoulos G, Varnavas C (2013) Wind generation impact on isolated power systems: The case of Cyprus. *Proc. PowerTech Grenoble 2013*, IEEE, Grenoble, France, 16-20 June, 6 pages.
31. Kolomvos G, Saharidis GKD, Liberopoulos G (2013) Different formulations and Benders decomposition on TSP. *Proc. 2nd International Symposium and 24th National Conference on Operational Research*, Athens, Greece, 26-28 September, 87-92.
32. Kostarelou E, Saharidis GKD, Liberopoulos G, Pandelis D (2013) Centralized vs. decentralized decomposition of supply chain using bi-level schema. *Proc. 2nd International Symposium and 24th National Conference on Operational Research*, Athens, Greece, 26-28 September, 264-269.
33. Saharidis GKD, Kolomvos G, Liberopoulos G (2014) Modeling and solution approach for the environmental travelling salesman problem. *Transport Research Arena 2014 (TRA 2014)*, Paris, France, 14-17 April, 10 pages.
34. Andrianesis P, Liberopoulos G (2014) Revenue-adequate pricing mechanisms in non-convex electricity markets: A comparative study. *Proc. 11th International Conference on the European Energy Market (EEM 2014)*, IEEE, Krakow, Poland, 28-30 May, 5 pages.

35. Andrianesis P, Liberopoulos G (2014) Comparison of pricing mechanisms in markets with non-convexities. *Proc. 3rd International Symposium and 25th National Conference on Operational Research*, Volos, Greece, 26-28 June, 254-259.
36. Liberopoulos G, Kozanidis G, Pandelis DP, Saharidis GKD (2014) Development of optimization models for addressing various decision and information related issues in supply chain planning. *Proc. 3rd International Symposium and 25th National Conference on Operational Research*, Volos, Greece, 26-28 June, 260-266.
37. Liberopoulos G, Takoumis K, Pandelis DG (2015) Using shadow prices in a linear programming representation of kanban system dynamics to maximize system throughput. *Proc. 10th Conference on Stochastic Modeling of Manufacturing and Service Operations (SMMSO 2015)*, Volos, Greece, 1-6 June, 119-126.
38. Liberopoulos G (2017) Optimal buffer allocation in a production line operating under IB, EB, and CONWIP policies. *Proc. 11th Conference on Stochastic Modeling of Manufacturing and Service Operations (SMMSO 2017)*, Acaya, Italy, 4-9 June, 193-200.
39. Furmans, K, Liberopoulos, G., Rimmele, M., Zimmermann, O. (2017) Review of models for large-scale manufacturing networks. *Proc. 11th Conference on Stochastic Modeling of Manufacturing and Service Operations (SMMSO 2017)*, Acaya, Italy, 4-9 June, 251-260.