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Kişisel Bilgiler

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Biyografi

Ali Allahverdi is a Professor in the Department of Industrial Engineering of Gazi University since May 2023. Before this appointment, he served as a faculty member in the Department of Industrial and Management Systems Engineering of Kuwait University from September 15, 1995 to May 15, 2023. He worked for two years at Marmara University, Istanbul, Turkey, before joining Kuwait University in 1995. He also worked as a visiting scholar at the Department of Industrial Engineering of Rensselaer Polytechnic Institute, New York, USA from June 15, 2010 to August 20, 2011. He received his B.S. in Petroleum Engineering from Istanbul Technical University, and his M.Sc. and Ph.D. degrees in Industrial Engineering, from Rensselaer Polytechnic Institute, New York, USA. He received Top Cited-Article Award from the *European Journal of Operational Research* in 2012. Furthermore, he received Distinguished Researcher Award in 2003. This award was in recognition of excellent performance and outstanding achievement in research for the previous ten years. Moreover, he received Research Performance Award in 2004 which was in recognition of exceptional results of outstanding significance and demonstrated research output of a conducted project. He also received the Dissertation Prize from Rensselaer Polytechnic Institute, Troy, New York, in recognition of outstanding academic achievement and promise for a successful career in 1993. He has published about 130 papers, receiving more than 8000 citations, in well-known international journals. Moreover, he presented more than 100 papers at international conferences. Furthermore, he has served on the scientific committee of more than 100 international conferences and gave keynote speeches at several international conferences. He has been the editor of *European Journal of Industrial Engineering* since 2007, and served as a guest editor for the *European Journal of Operations Research*, the *International Journal of Production Research*, and the *International Journal of Operations Research*. He is currently serving as associate editor of several international journals and on the editorial board of several other international journals.

Eğitim Bilgileri

Doktora, Rensselaer Polytechnic Institute, College of Engineering, Industrial Engineering Department, Amerika Birleşik Devletleri 1990 - 1992

Yüksek Lisans, Rensselaer Polytechnic Institute, College of Engineering, Industrial Engineering Department, Amerika Birleşik Devletleri 1988 - 1990

Lisans, İstanbul Teknik Üniversitesi, Türkiye 1982 - 1986

Yabancı Diller

Yaptığı Tezler

Bütünleşik Doktora, Scheduling on multiple unreliable sources, Rensselaer Polytechnic Institute, College of Engineering, Department of Industrial Engineering, 1992

Araştırma Alanları

Çizelgeleme (Scheduling)

Akademik Unvanlar / Görevler

Prof. Dr., Gazi Üniversitesi, - , Faculty of Engineering, Industrial Engineering Department, 2023 - Devam Ediyor

Prof. Dr., Kuwait University, College of Engineering, Industrial Engineering Department , 2003 - 2023

Prof. Dr., Rensselaer Polytechnic Institute, College of Engineering, Industrial Engineering Department , 2010 - 2011

Doç. Dr., Kuwait University, College of Engineering, Industrial Engineering Department, 1998 - 2003

Yrd. Doç. Dr., Kuwait University, College of Engineering, Industrial Engineering Department , 1995 - 1998

Yrd. Doç. Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Industrial Engineering Department, 1993 - 1995

Araştırma Görevlisi, Rensselaer Polytechnic Institute, College of Engineering, Industrial Engineering Department , 1989 - 1992

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, 1987 - 1989

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Algorithms for three-machine flowshop scheduling problem to minimize makespan with uncertain processing times**
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- IV. **Algorithms to minimize total completion time in a two-machine flowshop problem with uncertain set-up times**
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- V. **A BETTER DOMINANCE RELATION AND HEURISTICS FOR TWO-MACHINE NO-WAIT FLOWSHOPS WITH MAXIMUM LATENESS PERFORMANCE MEASURE**
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Allahverdi M., Allahverdi A.
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- VII. **MINIMIZING TOTAL COMPLETION TIME IN A TWO-MACHINE NO-WAIT FLOWSHOP WITH UNCERTAIN AND BOUNDED SETUP TIMES**
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- VIII. **Algorithms for four-machine flowshop scheduling problem with uncertain processing times to minimize makespan**
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RAIRO-OPERATIONS RESEARCH, sa.2, ss.529-553, 2020 (SCI-Expanded)
- IX. **No-wait flowshop scheduling problem with separate setup times to minimize total tardiness subject to makespan**
Allahverdi A., Aydilek H., Aydilek A.
APPLIED MATHEMATICS AND COMPUTATION, 2020 (SCI-Expanded)
- X. **Two-machine no-wait flowshop scheduling problem with uncertain setup times to minimize maximum lateness**
Allahverdi A., Allahverdi M.
COMPUTATIONAL & APPLIED MATHEMATICS, sa.5, ss.6774-6794, 2018 (SCI-Expanded)
- XI. **Scheduling in manufacturing systems: new trends and perspectives**
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- XII. **No-wait flowshop scheduling problem with two criteria; total tardiness and makespan**
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- XIII. **Algorithms for minimizing the number of tardy jobs for reducing production cost with uncertain processing times**
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- XIV. **Minimising maximum tardiness in assembly flowshops with setup times**
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Allahverdi A.
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- XVI. **Two-stage assembly scheduling problem for minimizing total tardiness with setup times**
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- XVII. **The third comprehensive survey on scheduling problems with setup times/costs**
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- XVIII. **Production in a two-machine flowshop scheduling environment with uncertain processing and setup times to minimize makespan**
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- XIX. **The two stage assembly flowshop scheduling problem to minimize total tardiness**
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- XX. **Single machine scheduling problem with interval processing times to minimize mean weighted completion time**
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- XXI. **Total completion time with makespan constraint in no-wait flowshops with setup times**
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- EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, sa.3, ss.724-734, 2014 (SCI-Expanded)
- XXII. **An artificial immune system heuristic for two-stage multi-machine assembly scheduling problem to minimize total completion time**
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- XXVI. **Increasing the profitability and competitiveness in a production environment with random and bounded setup times**
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Al-Anzi F. S., Allahverdi A.
COMPUTERS & OPERATIONS RESEARCH, sa.9, ss.2682-2689, 2009 (SCI-Expanded)
- XXXVII. **Minimizing the bicriteria of makespan and maximum tardiness with an upper bound on maximum tardiness**
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- XXXVIII. **Permutation flow shops with exact time lags to minimise maximum lateness**
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- XXXIX. **New heuristics for no-wait flow shops with a linear combination of makespan and maximum lateness**
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- XL. **The significance of reducing setup times/setup costs**
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EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, sa.3, ss.978-984, 2008 (SCI-Expanded)
- XLI. **A survey of scheduling problems with setup times or costs**
Allahverdi A., Ng C., Cheng T., Kovalyov M. Y.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, sa.3, ss.985-1032, 2008 (SCI-Expanded)
- XLII. **The two-stage assembly flowshop scheduling problem with bicriteria of makespan and mean completion time**
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INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, sa.1-2, ss.166-177, 2008 (SCI-Expanded)
- XLIII. **Untitled**
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- XLIV. **No-wait flowshop with separate setup times to minimize maximum lateness**
Ruiz R., Allahverdi A.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, sa.5-6, ss.551-565, 2007 (SCI-Expanded)
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- XLVI. **Batching deteriorating items with applications in computer communication and reverse logistics**
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- XLVII. **A self-adaptive differential evolution heuristic for two-stage assembly scheduling problem to minimize maximum lateness with setup times**
Al-Anzi F. S., Allahverdi A.
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- XLVIII. **Untitled**
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- XLIX. **Two-machine flowshop scheduling problem to minimize maximum lateness with bounded setup and processing times**
ALLAHVERDÍ A.
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- L. **Empirically discovering dominance relations for scheduling problems using an evolutionary algorithm**

- Al-Anzi F., Allahverdi A.
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- LI. **Using mixed graph coloring to minimize total completion time in job shop scheduling**
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APPLIED MATHEMATICS AND COMPUTATION, sa.2, ss.1137-1148, 2006 (SCI-Expanded)
- LII. **Evolutionary heuristics and an algorithm for the two-stage assembly scheduling problem to minimize makespan with setup times**
Allahverdi A., Al-Anzi F. S.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, sa.22, ss.4713-4735, 2006 (SCI-Expanded)
- LIII. **Two-machine flowshop scheduling problem to minimize total completion time with bounded setup and processing times**
Allahverdi A.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, sa.1, ss.386-400, 2006 (SCI-Expanded)
- LIV. **A PSO and a Tabu search heuristics for the assembly scheduling problem of the two-stage distributed database application**
Allahverdi A., Al-Anzi F. S.
COMPUTERS & OPERATIONS RESEARCH, sa.4, ss.1056-1080, 2006 (SCI-Expanded)
- LV. **A branch-and-bound algorithm for three-machine flowshop scheduling problem to minimize total completion time with separate setup times**
Allahverdi A., Al-Anzi F. S.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, sa.3, ss.767-780, 2006 (SCI-Expanded)
- LVI. **Scheduling multi-stage parallel-processor services to minimize average response time**
Allahverdi A., Al-Anzi F.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, sa.1, ss.101-110, 2006 (SCI-Expanded)
- LVII. **Economic order quantity with uncertain inflation: A case study**
Zeydan M., Allahverdi A.
International Journal of Industrial Engineering : Theory Applications and Practice, cilt.13, sa.3, ss.320-327, 2006 (SCI-Expanded)
- LVIII. **Stochastic two-machine flowshop scheduling problem with total completion time criterion**
Soroush H., ALLAHVERDİ A.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, sa.2, ss.159-171, 2005 (SCI-Expanded)
- LIX. **New heuristics for m -machine no-wait flowshop to minimize total completion time**
Aldowaisan T., Allahverdi A.
OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE, sa.5, ss.345-352, 2004 (SCI-Expanded)
- LX. **Three-machine no-wait flowshop with separate setup and removal times to minimize total completion time**
Aldowaisan T., ALLAHVERDİ A.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, sa.2, ss.113-123, 2004 (SCI-Expanded)
- LXI. **Flowshop scheduling problem to minimize total completion time with random and bounded processing times**
Sotskov Y., Allahverdi A., Lai T.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, sa.3, ss.277-286, 2004 (SCI-Expanded)
- LXII. **A new heuristic for m -machine flowshop scheduling problem with bicriteria of makespan and maximum tardiness**
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- LXIII. **Stochastically minimizing makespan on a three-machine flowshop**
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- LXIV. **No-wait flowshops with bicriteria of makespan and maximum lateness**
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- LXV. **Optimal selection of module instances for modular products in reconfigurable manufacturing systems**
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- LXVII. **The two- and *m*-machine flowshop scheduling problems with bicriteria of makespan and mean flowtime**
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ALLAHVERDİ A., Savsar M.
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- LXXI. **Optimizing modular product design for reconfigurable manufacturing**
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- LXXII. **Using two-machine flowshop with maximum lateness objective to model multimedia data objects scheduling problem for WWW applications**
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- LXXVII. **A review of scheduling research involving setup considerations**
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- LXXVIII. **Stochastically minimizing total flowtime in flowshops with no waiting space**

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- LXXXI. **Scheduling in stochastic flowshops with independent setup, processing and removal times**
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- LXXXII. **Stochastic machine dominance in flowshops**
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- LXXXIII. **Stochastic scheduling and dynamic programming - Koole,GM**
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- LXXXIV. **Two-machine proportionate flowshop scheduling with breakdowns to minimize maximum lateness**
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- LXXXV. **Simulation of different rules in stochastic flowshops**
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- LXXXVI. **2-STAGE PRODUCTION SCHEDULING WITH SEPARATED SET-UP TIMES AND STOCHASTIC BREAKDOWNS**
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- LXXXVII. **SCHEDULING ON A 2-MACHINE FLOWSHOP SUBJECT TO RANDOM BREAKDOWNS WITH A MAKESPAN OBJECTIVE FUNCTION**
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- LXXXVIII. **SCHEDULING ON M PARALLEL MACHINES SUBJECT TO RANDOM BREAKDOWNS TO MINIMIZE EXPECTED MEAN FLOW TIME**
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Diğer Dergilerde Yayınlanan Makaleler

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- II. **A survey of scheduling problems with uncertain interval/bounded processing/setup times**
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H-İndeks (WoS): 30

H-İndeks (Scopus): 33

Kongre ve Sempozyum Katılımı Faaliyetleri

Global Joint Conference on Industrial Engineering and Its Application Areas, Davetli Konuşmacı, İstanbul, Türkiye, 2020

VI. the International Conference on Artificial Intelligence and Applied Mathematics in Engineering, Davetli Konuşmacı, Antalya, Türkiye, 2019

VI. International GAP Engineering Conference, Davetli Konuşmacı, Şanlıurfa, Türkiye, 2018

44th International Conference on Computers and Industrial Engineering , Davetli Konuşmacı, İstanbul, Türkiye, 2014

The Sixth International Industrial Engineering Conference, Davetli Konuşmacı, Tehran, İran, 2009

Davetli Konuşmalar

Manufacturing scheduling with setups, Seminer, University of Antwerp, Belçika, Şubat 2009

Flowshop scheduling with separate setup times, Seminer, The Polytechnic University of Valencia, İspanya, Ocak 2007

Scheduling with setup times, Seminer, The Hong Kong Polytechnic University, Hong Kong, Ocak 2005

No-wait flowshop scheduling, Seminer, National Polytechnic Institute of Lorraine, Nancy, Fransa, Ağustos 2004