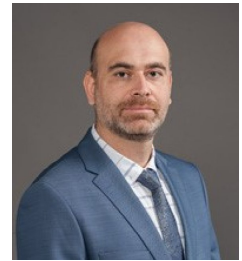


Dr. Hakan Gultekin
Mechanical and Industrial Engineering
Email: hgultekin@squ.edu.om



Qualifications

Postdoc, University of Liege
Jan 20 2007 → Oct 31 2007

Ph.D. in Industrial Engineering, Bilkent University
Sep 1 2002 → Jan 1 2007

MSc in Industrial Engineering, Bilkent University
Sep 1 2000 → Jun 1 2002

BSc in Industrial Engineering, Bilkent University
Sep 1 1996 → Jun 1 2000

Employment

Mechanical and Industrial Engineering

Sultan Qaboos University
Aug 28 2018 → Jun 30 2024

Research outputs

Privacy protection via joint real and reactive load shaping in smart grids

Kement, C. E., Ilić, M., Gultekin, H., Cicek, C. T. & Tavli, B., Dec 2022, In: Sustainable Energy, Grids and Networks. 32, 100794.

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Measuring the value of energy storage systems in a power network

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Cyclic scheduling of parts and robot moves in m-machine robotic cells

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Backhaul-Aware Placement of a UAV-BS with Bandwidth Allocation for User-Centric Operation and Profit Maximization.

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Pure cycles in two-machine dual-gripper robotic cells

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Scheduling in two-machine robotic cells with a self-buffered robot

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Two-machine flowshop scheduling with flexible operations and controllable processing times

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Scheduling in flowshops with flexible operations: Throughput optimization and benefits of flexibility

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Minimizing the Makespan in flowshops with flexible operations

Demirtas, H. H. & Gultekin, H., 2012, *Proceedings - INCOM'12, 14th IFAC Symposium on Information Control Problems in Manufacturing*. PART 1 ed. IFAC Secretariat, p. 1366-1370 5 p. (IFAC Proceedings Volumes (IFAC-PapersOnline); vol. 14, no. PART 1).

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Akturk, M. S., Tula, A. & Gultekin, H., 2011, *ICINCO 2011 - Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics*. p. 387-392 6 p. (ICINCO 2011 - Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics; vol. 2).

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Crama, Y. & Gultekin, H., Jun 2010, In: Journal of Scheduling. 13, 3, p. 227-243 17 p.

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The impact of one-time energy costs on network lifetime in wireless sensor networks

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Bicriteria robotic cell scheduling

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Scheduling in robotic cells: Process flexibility and cell layout

Gultekin, H., Akturk, M. S. & Karasan, O. E., Apr 2008, In: International Journal of Production Research. 46, 8, p. 2105-2121 17 p.

Scheduling in a three-machine robotic flexible manufacturing cell

Gultekin, H., Akturk, M. S. & Ekin Karasan, O., Aug 2007, In: Computers and Operations Research. 34, 8, p. 2463-2477 15 p.

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Robotic cell scheduling with operational flexibility

Akturk, M. S., Gultekin, H. & Karasan, O. E., Jan 30 2005, In: Discrete Applied Mathematics. 145, 3, p. 334-348 15 p.

Projects

Energy Efficient Scheduling in Manufacturing: Energy-Time Trade-off in Parallel Machine Environments

Gultekin, H.
1/1/20 → 12/31/22

TTotP: Energy Efficient Scheduling in Manufacturing: Energy-Time Trade-off in Parallel Machine Environments

Gultekin, H.

Courses

MEIE3269 Mathematics of Linear Programming

Hakan Gultekin
9/1/21 → 12/31/21

MEIE3271 Methods of Operations Research

Hakan Gultekin
1/1/22 → 5/19/22

MEIE4275 Facilities Design and Logistics

Hakan Gultekin
1/1/22 → 5/31/22

MEIE4285 Engineering Economics

Hakan Gultekin
1/1/21 → 5/31/21

MEIE5262 Industrial Systems Design

Hakan Gultekin
9/1/21 → 12/31/21