

FARDIN DASHTY SARIDARQ

Current Address:
Sabanci University
Istanbul/ Turkey

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Education

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| 2011-Present | Sabanci University, Istanbul, Turkey
M.Sc., Industrial Engineering
Thesis: Strategic to Tactical Level Crew Scheduling in Railways
Supervisor: Assist. Prof. Dr. Guvenc Sahin |
| 2005-2010 | Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran
B.Sc., Information Technology Engineering
Graduation Project: IT Master Plan for Computer and IT Eng. Dept.
Supervisor: Assist. Prof. Dr. Ar.Bagheri |

Research interests

Computational operations research, Algorithms for optimization problems, Network design and flow, Crew planning problems in railways, Scheduling, Information Systems

Journal Publications and Conference Presentations

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- Hosseini, S. A., Saridarq, F. D. (2011), "Determining the Optimal Flows in Zero-Time Dynamic Networks", Journal of Mathematical Modelling and Algorithms
 - Saridarq, F. D., Sahin, G. (2012), "Balancing Crew Workloads in Turkish State Railways", Will be presented in the 32th National Congress on Operations Research and Industrial Engineering (YAEM 2012, Istanbul, Turkey)
 - Saridarq, F. D., Sahin, G. (2012), "Operational Planning of Crew Resources in Turkish State Railways", Will be presented in the IEEE International Conference on Industrial Engineering and Engineering Management (IEEM, 2012, Hong Kong)
 - Saridarq, F. D., Pourghannad, B.(2012),"A Multi Item Vendor Managed Inventory with Joint Ordering Constraint" (Work in progress).
 - Saridarq, F. D., Sahin, G. (2012), "Strategic to Tactical Level Crew Scheduling in Turkish State Railways", In preparation for submission to Transportation Research Part E (Work in progress)
 - Saridarq, F. D., Sahin, G. (2012), "A New Heuristic for the Balanced Path Problem in Crew Scheduling Problems: Computational Issues", In preparation for submission to Journal of Scheduling (Work in progress)

Academic Experiences

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| 2011-Present | Research Assistant, Sabanci University, Istanbul, Turkey
Project Title: Tactical and Strategic Level Railway Crew Planning Problems
Supported by the Scientific and Technological Research Council of Turkey (TUBITAK) |
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2011-Present **Teacher Assistant, Sabanci University, Istanbul, Turkey**
 Decision Analysis (Spring 2011)
 Decision Analysis (Fall 2011)
 Information Systems (Summer 2011)
 Integrated Manufacturing Systems (Spring 2011)

Peer-review Activities

- Journal reviewer for “International Journal of Research in Computer Science” (IJORCS)
- Journal reviewer for “BIOINFO Computational Optimization” journal
- Journal reviewer for “International Journal of Business, Management and Social Sciences” (IJBMSS)
- Conference reviewer for IEEE Conference on Control, Systems & Industrial Informatics (ICCSII 2012)
- Conference reviewer for IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2012)
- Conference reviewer for The 2nd International Workshop on Cyber Applications in Healthcare and Public Health Protection (E-Health 2012)

Computer Skills

Programming Languages:	C++, Java, Python, C#, VBA, Pascal, FORTRAN
Database:	SQL Server, Oracle
Optimization Packages:	ILOG Optimization Studio, CPLEX, OPL, GAMS
Other Software Packages:	Matlab, Hspice, MS Project, Primavera, MS Office, Power Designer, Oracle SOA Suite, OPNET, etc

Awards & Scholarships

- Graduate Education Scholarship, Sabanci University
- Graduate Education Scholarship, Scientific and Technological Research Council of Turkey
- Ranked 189th among more than 7000 participants in the national universities' entrance exam for M.Sc. in Industrial Engineering
- Dean's List: High Honor, IT and Computer Engineering Department of Amirkabir University

References

Dr. Guvenc Sahin, Assistant Professor, MS/IE Program, Sabanci University
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Dr. Mohammad Kazem Akbari, Associate Prof. Computer Engineering Dept., Amirkabir University
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Dr. Alireza Bagheri, Assistant Prof. Computer Engineering Dept., Amirkabir University
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