
Burak Çavdarođlu

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RESEARCH INTERESTS

Combinatorial Optimization, Integer Programming, Disaster Management, Infrastructure Modeling

ACADEMIC POSITIONS

September 2012 - Present

Iřık University, Istanbul, TURKEY

- Assistant Professor
- Industrial Engineering Department

EDUCATION

2007 - 2012

Rensselaer Polytechnic Institute, Troy - NY, USA

- PhD in Department of Industrial and Systems Engineering (ISE)
- Dissertation Title: Integrated Mitigation, Restoration, and Scheduling Problem for Interdependent Infrastructure Networks

2005 -2007

Koç University, Istanbul - TURKEY

- MS degree in Industrial Engineering Department
- Thesis Title: Pharmaceutical Marketing Optimization in Turkey

1999 – 2005

Middle East Technical University (METU), Ankara - TURKEY

- BS degree in Industrial Engineering Department

JOURNAL PUBLICATIONS

10/2011

Nurre S., Cavdaroglu B., , Mitchell E., Sharkey T., and. Wallace W.A., “Restoring Infrastructure Systems: An Integrated Network Design and Scheduling Problem”, *European Journal of Operational Research*, Under Revision.

09/2011

Cavdaroglu B, Hammel E., Mitchell J. E., Sharkey T. C., Wallace W. A. “**Integrating Restoration and Scheduling Decisions for Disrupted Interdependent Infrastructure Systems**”, *Annals of Operations Research*, In Print. (Online first, URL: <http://dx.doi.org/10.1007/s10479-011-0959-3>, Retrieved on September 5, 2011)

CONFERENCE PROCEEDINGS

04/2011

Cavdaroglu B., Nurre S.G., Mitchell J.E., Sharkey T.C., Wallace W.A. “**Decomposition Methods for Restoring Infrastructure Systems**”, in *Proceedings of the International Conference on Vulnerability and Risk Analysis and Management (ICVRAM) 2011*, Hyattsville, MD, 2011.

- 03/2011 Wallace W.A., Cavdaroglu B., Khan S., Loggins R.,
“Transportation and the Social Resiliency of a Community”,
*Proceedings of the DHS Science Conference - Fifth Annual DHS
University Summit*, Washington DC, 2011.
- 06/2007 Cavdaroglu B., Gür Ali Ö. **“Profit Maximizing Pharmacy
Decision and Pharmacy Discounts in Turkey”**, in *Proceedings of
the 14th International Annual EurOMA Conference*, Ankara,
TURKEY, 2007.

AWARDS

- 2007 - present Rensselaer Research and Teaching Assistantship for Ph.D. Studies
- Awarded by the Department of Industrial and Systems Engineering in Rensselaer Polytechnic Institute
- 2005 - 2007 Full Scholarship for Master Studies
- Awarded by the Industrial Engineering Department of Koc University
- June 2007 Chris Voss Highly Commended Award
- Received at the EurOMA Conference for the article “Profit Maximizing Pharmacy Decision and Pharmacy Discounts in Turkey”
- June 2005 Best System Design Project Award
- Conferred by METU Industrial Engineering Department Faculty Members

TEACHING EXPERIENCE

- 2012 Fall Instructor, IE 303 - System Simulation
- Industrial Engineering Department, ISIK University
- 2013 Spring Instructor, IE 301 - Operations Research I
- Industrial Engineering Department, ISIK University
- 2013 Spring Instructor, IE 582 - Combinatorial Optimization and Algorithms
- Industrial Engineering Department, ISIK University