CALL FOR PAPERS

Annals of Operations Research

Special Volume on Data Mining and Informatics

New Closing date: June 30, 2011

The decision-making capabilities of operations research methods can enhance the learning and representation of patterns and structure in data. Vice-versa, the characterizations identified and modeled by data mining or informatics can enable more efficient decision-making algorithms. **This special volume seeks novel applied and methodological papers focused on any aspect of the interplay between operations research and data mining or informatics.** Methodologies include, but are not limited to: learning, intelligent systems, pattern recognition, statistics, kernel methods, visualization, computing, simulation, optimization, operations management, and natural language processing. Application areas include, but are not limited to: health care, environmental sciences, energy and power systems, transportation and logistics, emergency management, manufacturing, supply chain management, and marketing.

Data mining seeks to reveal and characterize unknown interesting structure in data, and the results from a data mining analysis may be used for prediction and to guide decisions. Informatics develops and studies methods for representing, processing, and communicating information, and informatics may be applied to both natural and artificial systems. Both data mining and informatics have been enormously successful when used in a variety of applications. This in turn has attracted researchers in a wide range of disciplines, as reflected in the themes of the 2009 INFORMS Workshop on Data Mining and System Informatics and the 2010 INFORMS Workshop on Data Mining and Health Informatics.

Special Volume Guest Editors

Victoria Chen, University of Texas at Arlington Yuanshun Dai, University of Tennessee at Knoxville Seoung Bum Kim, Korea University Theodore Trafalis, University of Oklahoma

Contact: aor.dmsi@gmail.com

<u>Submission Instructions</u>: Manuscripts should be submitted on-line. Please see instructions on the journal's website www.springer.com/journal/10479. Please select article type "**Special: Data Mining and Informatics**" when uploading your paper.

Note: Acceptable formats include Word, WordPerfect, RTF, TXT, TIFF, GIF, JPEG, EPS, TeX, LaTeX2E, Postscript, PICT, Excel, Tar, Zip and Powerpoint. PDF is not an acceptable format.

All submitted papers will be rigorously peer reviewed according to the standards of the *Annals of Operations Research*.