CALL FOR PAPERS

Annals of Operations Research
Special Volume on *Data Mining and Analytics*

Closing date: August 31, 2015

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 and analytics can improve the efficiency of 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 analytics.** Methodologies include, but are not limited to business analytics, web analytics, learning analytics, intelligent systems, pattern recognition, kernel methods, 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, marketing, risk assessment, and portfolio analysis.

Both data mining and analytics have a basis in statistical methods, where data mining seeks to reveal and characterize unknown interesting structure in data, and analytics encompasses the entire decision-making process from data through decisions, within which the results from a data mining analysis may be used to guide decisions. Both 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 growth of the INFORMS Sections on Data Mining; on Analytics; and on Quality, Statistics, and Reliability. This special volume will be in alignment with the theme of the *2014 INFORMS Workshop on Data Mining and Analytics*.

<u>Special Volume Guest Editors</u>

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