

**The 8<sup>th</sup> International Conference on Data Mining – DMIN'12**  
**<http://www.dmin-2012.com>**

**Call for Papers**  
**Special Session on Real-World Data Mining Applications,  
Challenges, and Perspectives**

**and Special Issue, Annals of Information Systems (Springer)**

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The past decade has witnessed a vast growth of the amount of data produced and the proliferation of specialized databases in a wide range of business, industrial, medical and scientific applications. Data mining is becoming an increasingly important tool in the process of knowledge discovery and the transformation of data into valuable information. The objective of this special session is to provide a forum for the data mining researchers and industrial practitioners to discuss data mining applications, issues, and the challenges that arise when addressing real-world problems.

Topics of interest include, but are not limited to:

- Enterprise knowledge management/knowledge discovery
- Corporate planning
- Direct marketing
- Credit scoring
- Forecasting
- Automotive applications
- Medical decision making, diagnostics
- Bioinformatics
- Text- and image recognition

Challenges to be addressed include but are not limited to:

- Highly skewed data sets
- Massive and high dimensional data sets
- Non-stationary data
- Unknown misclassification costs
- Missing and noisy data
- Business process issues

This special session of DMIN'12 will cover all aspects of data mining applications. The special session will be held during the DMIN conference, July 16-19, in Las Vegas, Nevada, USA. All papers should be submitted using the standard procedures for DMIN papers (see <http://www.dmin-2012.com/submission.htm>). **For your submission of the draft paper, please select the Track 'Special Session on Data Mining Applications, Challenges, and Perspectives' (DMA).** Any questions should be directed to the special session organizer or to one of the DMIN conference organizers.

All conference attendees, particularly those who contribute to this session are encouraged to submit manuscripts (e.g., extended and revised versions of their DMIN papers) to the Annals of Information Systems (AoIS, Springer) Special Issue on Real World Data Mining Applications, Guest Editors: M. Abou-Nasr, S. Lessmann, R. Stahlbock, G. M. Weiss. The deadline for this submission is different from the DMIN deadline: Feb 29, 2012 (extended). Please visit <http://www.dmin-2012.com/aoisrwdma.htm> for details such as submission procedure etc.