

Dr. Mahmoud Abou-Nasr
Ford Motor Company
Research & Innovation Center
2101 Village Road, Dearborn MI USA 48121

DMIN'11

<http://www.dmin--2011.com>

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

EXTENDED DEADLINE for Submission of Papers: March 24, 2011

Organizer: Mahmoud Abou-Nasr, Ford Motor Company Research and Innovation Center, mabounas@ford.com

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.

All conference attendees, particularly those who contribute to this session are encouraged to submit extended and revised versions of their manuscripts to the special issue on Real World Data Mining Applications of the Annals of Information Systems (AoIS, Springer). Guest Editors: M. Abou-Nasr, S. Lessmann, R. Stahlbock, G. M. Weiss (see <http://www.dmin--2011.com> for further information and CfP).

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'11 (the Seventh International Conference on Data Mining) will cover all aspects of data mining applications. The special session will be held during the DMIN conference, July 18-21, in Las Vegas, Nevada, USA. All papers should be submitted using the standard procedures for DMIN papers (see <http://www.dmin--2011.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.