



**Call for Papers**  
**Annals of Information Systems**  
**Special Issue on Real World Data Mining Applications**



**M. Abou-Nasr**  
Ford Motor Company  
mabounas@ford.com

**S. Lessmann**  
University of Hamburg  
lessmann@econ.uni-hamburg.de

**R. Stahlbock**  
University of Hamburg  
stahlbock@econ.uni-hamburg.de

**G. M. Weiss**  
Fordham University  
gweiss@cis.fordham.edu

Data mining has experienced an explosion of interest over the last two decades and has established a sound paradigm for deriving knowledge from large, heterogeneous data sets, often using computationally intensive methods. It continues to attract researchers and practitioners from multiple disciplines, including computer science, statistics, operations research, information systems and management science. Successful applications are represented in diverse domains such as corporate planning, medical decision making, bioinformatics, web-usage mining, text- and image recognition, direct marketing and credit scoring.

The journal ‘Annals of Information Systems’ will devote a special issue to topics focused on real world data mining applications. The special issue will explore specific problems and solutions related to real world data mining applications and will highlight the synergies between information systems and data mining. Contributions that describe real world applications rather than focusing solely on algorithmic aspects or theoretical approaches are particularly encouraged. 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 that can 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

### **Review Process**

Each manuscript must comply with the journal’s formatting instructions and will be peer-reviewed according to the usual standards of an esteemed international journal. The quality and originality of the contribution will serve as major acceptance criteria for each submission. The editors of the special issue will first evaluate whether a manuscript has sufficient merit to be sent to referees for a detailed review. If not, the paper will be returned to the authors with a short explanation of the editor’s reasoning. To enable a timely publication of the special issue, papers that are unequivocally out of scope will be rejected without detailed review.

### **Important Dates**

- Deadline for manuscripts: ~~December 31, 2011~~ **extended: February 29, 2012**
- Notification of authors: February 29, 2012 + 2 months (extension)
- Revision due: April 30, 2012 + 2 months (extension)

### **Submission Instructions**

Manuscripts should be submitted as pdf file via <https://cmt.research.microsoft.com/AISDM2012/> only, i.e., submissions by email will not be accepted. Papers should provide a cover page containing paper title, authors – including indication of corresponding author – and a short statement of contribution (max. 100 words). It should also include a citation for any previously published versions of the paper and a short description of the extensions made to the earlier version. The cover page can be submitted within the same pdf file as the main text. The manuscript must be typewritten in English and 1.5-spaced throughout using ample margins and A4 or US Letter format. Papers should not exceed 15 pages including abstract but excluding tables, figures and references. Please consult the editors if you need to extend this limit. Tables and figures should be inserted into the main body of the manuscript. Manuscripts previously published at a conference must provide substantially revised extensions of the previously published version and must include a different title.

Authors are strongly encouraged to use the LaTeX text editing system for preparing their submissions. The Springer template for AoIS can be obtained from <ftp://ftp.springer.de/pub/tex/latex/lncs/latex2e/lncs2e.zip>. Information on how to use this template is provided at: <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>. Camera-ready papers must comply with these formatting instructions and authors must be ready to submit the LaTeX source code of their final submissions. Other formats (e.g., MS Office, Open Office, etc.) cannot be accepted for camera-ready papers. Further information can be found on <http://www.dmin--2011.com/aoisrwdma.htm> or <http://www.dmin-2012.com/aoisrwdma.htm>, respectively.

### **About AoIS**

Annals of Information Systems Series

Published by Springer

Editors: Ramesh Sharda, Stefan Voß

ISSN: 1934-3221

<http://www.springer.com/series/7573>

AoIS comprises serialized volumes that address a specialized topic or a theme. AoIS publishes peer reviewed works in the analytical, technical as well as the organizational side of information systems. AoIS focuses on high quality scholarly publications. The numbered volumes are guest-edited by experts in a specific domain. Some volumes may be based upon refereed papers from selected conferences. AoIS volumes are available as individual books as well as a serialized collection. AoIS is allied with the "Integrated Series in Information Systems".