CALL FOR PAPERS
CALL FOR LATE BREAKING PAPERS, POSITION PAPERS, ABSTRACTS, POSTERS

DMIN'15
The 2015 International Conference on Data Mining

Date and Location: July 27-30, 2015
Monte Carlo Resort & Casino, Las Vegas, Nevada, USA

http://www.dmin-2015.com
http://www.world-academy-of-science.org

This announcement is ONLY for those who MISSED the opportunity to submit their papers in response to earlier "Call For Papers". Therefore, authors who have ALREADY submitted papers in response to earlier "Call For Papers" should IGNORE this announcement. (Those who have been notified that their papers have been accepted, MUST still follow the instructions that were emailed to them; including meeting the deadlines mentioned in the notifications that were sent to them).

You are invited to submit a "LATE BREAKING PAPER", "POSITION PAPER", or "ABSTRACT/POSTER PAPER" for consideration. All accepted papers will be published in the DMIN conference proceedings (ISBN, in printed book form; later, the proceedings will also be accessible online). Those interested in proposing workshops/sessions, should refer to the relevant sections that appear below.

SCOPE: Topics of interest include, but are not limited to, the following:

- Data Mining Tasks
    - Regression/Classification
    - Time series forecasting
    - Segmentation/Clustering/Association
    - Deviation and outlier detection
    - Explorative and visual data mining
    - Web mining
    - Mining text and semi-structured data
    - Temporal and spatial data mining
    - Multimedia mining (audio/video)
    - Others
- Data Mining Algorithms
    - Artificial neural networks
    - Fuzzy logic and rough sets
    - Decision trees/rule learners
    - Support vector machines
    - Evolutionary computation/meta heuristics
    - Statistical methods
    - Collaborative filtering
    - Case based reasoning
    - Link and sequence analysis

- Ensembles/committee approaches
- Others
- Data Mining Integration
    - Mining large scale data
    - Distributed and grid based data mining
    - Data and knowledge representation
    - Data warehousing and OLAP integration
    - Integration of prior/domain knowledge
    - Metadata and ontologies
    - Agent technologies for data mining
    - Legal and social aspects of data mining
    - Others
- Data Mining Process
    - Data cleaning and preparation
    - Feature selection and transformation
    - Attribute discretisation and encoding
    - Sampling and rebalancing
    - Missing value imputation
    - Model selection/assessment and comparison
    - Induction principles
    - Model interpretation
    - Others
- Data Mining Applications
    - Bioinformatics/Medicine
    - Business/Industrial
    - Engineering
    - Military/Security
    - Social science
    - Data Mining in Logistics
    - Others

We particularly encourage submissions of industrial applications and case studies from practitioners. These will not be evaluated using solely theoretical research criteria, but will take general interest and presentation stringer into consideration.

- Data Mining Software
- Alternative and additional examples of possible topics include:
    Data Mining for Business Intelligence; Big Data; Emerging technologies in data mining; Computational performance issues in data mining; Data mining in usability; Advanced prediction modelling using data mining; Data mining and national security; Data mining tools; Data analysis; Data preparation techniques (selection, transformation, and preprocessing); Information extraction methodologies; Clustering algorithms used in data mining; Genetic algorithms and categorization techniques used in data mining; Data and information integration; Microarray design and analysis; Privacy-preserving data mining; Active data mining; Statistical methods used in data mining; Multidimensional data; Automatic data cleaning; Data visualization; Theory and practice (knowledge representation and discovery); Knowledge Discovery in Databases (KDD); Uncertainty management; Data reduction methods; Data engineering; Content mining; Indexing schemes; Information retrieval; Metadata use and management; Multidimensional query languages and query; Multimedia information systems; Search engine query processing; Pattern mining; Applications (examples: data mining in education, marketing, finance and financial services, business applications, medicine, bioinformatics, biological sciences, science and technology, industry and government, ...).

WORKSHOPS/SPECIAL SESSIONS:

Each conference is composed of a number of tracks. A track can be a session, a workshop, or a symposium. A session will have at least 6 papers; a workshop at least 12 papers; and a symposium at least 18 papers. Track chairs will be responsible for all aspects of their tracks, including: soliciting papers, reviewing, selecting, ... The names of track chairs will appear as Associate Editors in the conference proceedings and on the cover of the printed books (and indexed in science databases as such).

All special sessions and workshops are part of DMIN'15 and attendance is open to attendees of all conferences held at WORLDCOMP'15.

see http://www.dmin-2015.com/special_sessions.htm for details

TUTORIALS AND INVITED TALKS
see http://www.dmin-2015.com/tutorials.htm for details

USEFUL WEB LINKS

The main web site of DMIN'15 can be found at http://www.dmin-2015.com.

The web site of WORLDCOMP'15 can be found at http://www.world-academy-of-science.org.

IMPORTANT DATES

May 31, 2015: Submission of late LATE BREAKING PAPERS, POSITION PAPERS, ABSTRACTS/ POSTER papers
Instructions: see www.dmin-2015.com/submission

June 14, 2015: Notification of acceptance

June 24, 2015: Registration due

July 27-30, 2015: The 2015 International Conference on Data Mining (DMIN'15)

August 20, 2015: Camera-Ready LATE BREAKING PAPERS, POSITION PAPERS, ABSTRACTS/POSTERS due for publication. Papers submitted and accepted in response to this announcement will be published in the Final Edition of the proceedings which will go to press soon after the conference; they will also be indexed in science citation index databases. The Final Edition of the proceedings will be identical to the Preliminary Edition except for the addition of the accepted LATE BREAKING PAPERS, POSITION PAPERS, ABSTRACTS/POSTERS at the end of the books. The conference would make the necessary arrangements to ship the printed proceedings/books to such authors.

SUBMISSION OF LATE BREAKING PAPERS, POSITION PAPERS, ABSTRACTS/POSTERS:

In response to this announcement, authors are given the opportunity to submit their papers for evaluation in one of the following three paper categories:

1. LATE BREAKING PAPERS (LBP): describe late-breaking/recent developments in the field. The maximum number of pages is 7. Please write the following on the first page of your submission "DMIN - LATE BREAKING PAPER". If accepted, the length of the final/Camera-Ready paper will be limited to 7 (two-column IEEE style) pages and the author will be given the opportunity to present the paper in a formal session.

2. POSITION PAPERS: enable discussions on emerging topics without the experimentation normally present in an academic paper. Commonly, such papers will substantiate the opinions or positions put forward with evidence from an extensive objective discussion of the topic. The maximum number of pages is 5. Please write the following on the first page of your submission "DMIN - POSITION PAPER". If accepted, the length of the final/Camera-Ready paper will be limited to 4 (two-column IEEE style) pages and the author will be given the opportunity to present the paper in a formal session.

3. ABSTRACT/POSTER PAPERS: describe research roadmaps (similar to PhD plan or PhD prospectus). The maximum number of pages is 2. Please write the following on the first page of your submission "DMIN - ABSTRACT/POSTER PAPER". If accepted, the length of the final/Camera-Ready paper will be limited to 2 (two-column IEEE style) pages and the author will be given the opportunity to present the paper in a discussion/poster session.

Prospective authors are invited to submit their papers by uploading them according to the instructions provided on the DMIN website via http://www.dmin-2015.com/submission.htm. Please follow the formatting and uploading instructions (different to practice at some other WORLDCOMP'15 conferences). Submissions must be uploaded by May 31, 2015. Papers must not have been previously published or currently submitted for publication elsewhere. The length of the final/Camera-Ready papers (if accepted) will be limited to 7 (two-column IEEE style) pages.

Each paper will be peer-reviewed by at least two experts in the field for originality, significance, clarity, impact, and soundness. In cases of contradictory recommendations, a member of the conference programme committee will be charged to make the final decision (accept/reject) - often, this would involve seeking help from additional referees by using a double-blinded review process. In addition, all papers whose authors included a member of the conference program committee will be evaluated using the double-blinded review process. (Essay/philosophical papers will not be refereed but may be considered for discussion/panels).

The proceedings will be published in printed conference books (ISBN) and will also be made available online. The proceedings will be indexed in science citation databases that track citation frequency/data for each published paper. All proceedings are also approved for inclusion into EBSCO (www.ebsco.com), one of the largest subject index systems. The titles of proceedings of the federated congress have been indexed into the ACM Digital Library (http://dl.acm.org/) which includes bibliographic citations from major publishers in computing.

In addition to the above, we have arranged two new book series (multiple books in each series); one with Elsevier publishers (Emerging Trends in Computer Science and Applied Computing) and another with Springer publishers (Transactions of Computational Science and Computational Intelligence). After the conference (the process may take 12 to 18
months), a significant number of authors of accepted papers of our congress, will be given the opportunity to submit the extended version of their papers for publication consideration in these books. We anticipate having between 10 and 20 books a year in each of these book series projects. Each book in each series will be subject to Elsevier and Springer science indexing products (which includes: Scopus, www.info.scopus.com ; SCI Compendex, Engineering Village, www.ei.org ; EMBASE, www.info.embase.com ; and others). For a recent and a very small subset of the books (and journal special issues) that have been published based on the extended versions of many of our congress papers, see the link: http://www.worldacademyofscience.org/worldcomp15/ws/books_journals

Note that authors who submit papers in response to this announcement, will have their papers evaluated for publication consideration in the Final Edition of the conference proceedings which will go to press soon after the conference (the conference would then make the necessary arrangements to ship the printed proceedings/books to such authors). The Final Edition of the conference proceedings will be identical to earlier edition except for a number of sections/chapters appended to the proceedings/book.

GENERAL INFORMATION

Please have a look at http://www.dmin-2015.com.

CONTACT:

Inquiries should be sent to: conference-chair@dmin-2015.com

Robert Stahlbock
General Conference Chair
conference-chair@dmin-2015.com