

Call for Papers

MDM/KDD2002 – 3rd Int. Workshop on Multimedia Data Mining

July 23th, 2002

in conjunction with KDD-2002: 8th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining August July 23 - 26, 2002, Edmonton, Alberta, Canada (<http://www.acm.org/sigkdd/kdd2002/>)

Workshop Web site: http://www-staff.it.uts.edu.au/~simeon/mdm_kdd2002/

Since the beginning of the century (yes, it is since then) there have been two successful international workshops on multimedia data mining at the KDD forums: MDM/KDD2000 and MDM/KDD2001, in conjunction with KDD2000 (in Boston) and KDD2001 (in San Francisco), respectively. These workshops brought together numerous experts in spatial data analysis, digital media, multimedia information retrieval, state-of-art data mining and knowledge discovery in multimedia database systems, analysis of data in collaborative virtual environments. Participants in both workshops were pleased with the event and there was consensus about the necessity of turning it into an annual meeting, where researchers, both from the academia and industry can exchange and compare both relatively mature and green house theories, methodologies, algorithms and frameworks for multimedia data mining. Meantime a discussion list on multimedia data mining was setup to facilitate this exchange. For more information about the workshops see the reports on the workshops in SIGKDD Explorations (MDM/KDD2000 is in SIGKDD Explorations, **2** (2), pp. 103-105 [<http://www.acm.org/sigkdd/explorations/issue2-2.htm>]; and MDM/KDD2001 is in SIGKDD Explorations, **3** (2), pp. 65-67 [<http://www.acm.org/sigkdd/explorations/issue3-2.htm>]).

The aim of the workshop is to contribute to the following areas identified in previous workshops:

- theoretical foundations of multimedia data mining
- problems and applications where multimedia data mining can have severe impact
- integrated patterns extraction from multimedia data
- multimedia representations and formats that can help data mining of multimedia data
- multimedia data mining systems

To address this aim the workshop will bring together experts in analysis of digital media content, multimedia databases, knowledge engineers and domain experts from different applied disciplines with potential in multimedia data mining. The workshop will facilitate the cross-disciplinary exchange of ideas. The major topics of the workshop include but are not limited to:

- theoretical frameworks for multimedia data mining;
- multimedia data mining methods and algorithms;
- multimedia data sampling and preprocessing;
- data sonification and visualization;
- representation and reuse of discovered knowledge;
- multimedia data descriptions languages and formats;
- evaluation of 'interestingness', 'novelty' and validity of results;
- topic and event detection in multimedia data (including video);
- extracting semantics from multimedia databases;
- integrated data mining of text and image data;
- integrated mining of medical multimedia data;
- mining scientific multimedia data
- integrated data mining in multimedia information systems
- discovering patterns in musical and architectural data
- knowledge discovery in facial data
- man-machine interfaces for multimedia data mining;
- complexity, efficiency and scalability of multimedia data mining algorithms;
- data mining virtual communities and virtual worlds;
- data mining in collaborative virtual environments and virtual reality systems;

- visual and audio support for multimedia mining;
- visual data mining of multimedia data;
- multiagent environments for concurrent mining of heterogeneous data;
- real-time multimedia data mining systems.
- mining digital video, audio and other multimedia components

We encourage submissions of 'greenhouse' work, which present early stages of a cutting-edge research and development. Software demonstrations are welcome.

WORKSHOP CHAIRS

Simeon J. Simoff
Faculty of Information Technology
University of Technology, Sydney
Australia
simeon@it.uts.edu.au

Chabane Djeraba
IRIN, Nantes University
2, Rue de la Houssiniere
44322 Nantes Cedex, France
djeraba@irin.univ-nantes.fr

LOCAL CHAIR

Osmar R. Zaiane
Department of Computing Science
University of Alberta
Edmonton, Canada
zaiane@cs.ualberta.ca

PROGRAM COMMITTEE (some members to be confirmed).

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|----------------------------|---|
| Marie-Aude Aufaure | INRIA, France |
| Terry Caelli | University of Alberta, Canada |
| Chabane Djeraba | University of Nantes, France |
| Chitra Dorai | IBM Thomas J. Watson Research Center, USA |
| Alex Duffy | University of Strathclyde, UK |
| William Grosky | Wayne State University, USA |
| Howard J. Hamilton | University of Regina, Canada |
| Jiawei Han | Simon Fraser University, Canada |
| Mohand-Said Hacid, | Claude Bernard University, France |
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| Odej Kao | Technical University of Clausthal, Germany |
| Paul Kennedy | University of Technology Sydney, Australia |
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| Inna Kolyshkina | Price Waterhouse Coopers, Australia |
| Brian Lovell | University of Queensland, Australia |
| Mike Maybury | MITRE Corporation |
| Gholamreza Nakhaeizadeh | DaimlerChrysler, Germany |
| Ole Nielsen | Australian National University, Australia |
| Monique Noirhomme-Fraiture | Institut d'Informatique, FUNDP, Belgium |
| Vincent Oria, | New Jersey Institute of technology, USA |
| Valery A. Petrushin | Accenture, USA |
| Mohamed Quafafou | Institut de Recherche en Informatique de Nantes |
| Simone Santini | University of California, San Diego, USA |
| Simeon J. Simoff | University of Technology Sydney, Australia |
| Pramod Singh | University of Technology Sydney, Australia |
| Duminda Wijesekera | George Mason University, USA |

SUBMISSION

There is no restriction on the length of submissions. Contact author and email address should be specified. Electronic submission of papers in PDF, PS, RTF or Microsoft Word Document

formats are preferable. The electronic submission will be organized via conference management system linked to the workshop website (watch out the workshop Web site).

DEADLINES

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| Submissions Due: 24 May | Notification: 18 June | Camera ready copy: 25 June |
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DISSEMINATION

Peer-reviewed papers, accepted for presentation at the workshop will be published in the workshop proceedings. Depending on the quality of the papers and presentations, extended and revised versions of selected submissions, together with selections from the previous workshops, will be published in a book in the Massive Computing series published by Kluwer Academic Publishers.

REGISTRATION

Registration for the workshop is free for the registrants of KDD-2001. Workshop attendance is limited to 60 participants only.