



Crete, Greece
September 17-20,
2007

International Workshop on Applying Data Mining in e-Learning (ADML'07)

as part of the 2nd European Conference on Technology
Enhanced Learning (EC-TEL 2007)

CALL FOR PAPERS

Recently, the increase in the dissemination of interactive learning environments has enabled the collection of huge amounts of data. A popular and effective way of discovering new knowledge from large and complex data sets is data mining. As such, the ADML workshop invites papers that study how to apply data mining to analyze data generated by learning systems or experiments, and, also, how discovered information can be used to improve adaptation and personalization of the learning environment. Interesting problems data mining can help to solve are: what are common types of learning behavior (e.g. in online systems), how to predict the knowledge and interests of a user based on past behavior, how to partition a heterogeneous group of users into homogeneous clusters, etc.

The ADML'07 workshop is organized in conjunction with the EC-TEL'07 conference and related to the series of [Educational data mining workshops](#) organized in conjunction with the AAI'05, AIED'05, ITS'06, AAI'06, AIED'07, UM'07, and ICALT'07 conferences. It aims at providing a focused international forum for researchers to present, discuss and explore the state of the art of applying data mining in e-Learning and of evaluating the usefulness of discovered patterns for adaptation and personalization. The workshop will also outline promising future research directions. The ADML'07 workshop invites submissions addressing all aspects of applying data mining for adaptation and personalization in e-learning systems. The list of topics of interest includes:

- methods and approaches for data mining in e-Learning,
- characteristics of educational data and how to deal with them,
- learning browsing behaviour; e.g., searching for patterns in log-data from experiments,
- data mining for user modelling,
- data mining for predicting user (potentially changing) interests,
- mining differences in user's learning behaviour (e.g. between two systems),
- mining data from A/B tests,
- application of discovered patterns for personalization and adaptation,
- description of applications, and
- description of case studies and experiences.

The workshop invites papers reporting experiences, case studies, surveys, reflections and comparisons. The submission format is one of the following: a full paper of up to 10 pages, a short paper of up to 5 pages, or an abstract for a poster of up to 3 pages.

IMPORTANT DATES

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| June 15 25, 2007 | (extended deadline) Submission of papers (LNCS style, 10-pages maximum) |
| July 15, 2007 | Notification of acceptance |
| August 1, 2007 | Submission of final camera-ready papers (LNCS style, 10-pages maximum) |
| September 17-18, 2007 | Workshop days at EC-TEL 2007 |

SUBMISSION PROCEDURES

All submissions will be handled electronically. Please submit your contribution (up to 10 pages) before the submission deadline (~~June 15~~ **25, 2007**) to the ADML'07 workshop chairs by e-mail: cromero@uco.es. Each submission will be reviewed by at least three members of the workshop programme committee members. All accepted workshop papers will be published online in the EC-TEL workshop proceedings, as part of the CEUR Workshop proceedings series. [CEUR-WS.org](http://www.ceur-ws.org) (ISSN 1613-0073) is a recognized ISSN publication series. For the camera-ready format instructions, please see the "For Authors" instructions at <http://www.springer.de/comp/lncs/authors.html>.

The authors of the selected papers will be asked to prepare revised and substantially extended papers for inclusion in a post-conference book (approval pending).

WORKSHOP CHAIRS

Cristobal Romero	Cordoba University, Spain
Mykola Pechenizkiy	Eindhoven University of Technology, the Netherlands
Toon Calders	Eindhoven University of Technology, the Netherlands
Silvia R. Viola	U. Politecnica delle Marche and U. for Foreigners, Italy
Joseph E. Beck	Carnegie Mellon University, USA

WORKSHOP PROGRAMME COMMITTEE (to be enlarged)

SungMin Bae	Hanbat National University, South Korea
Ryan Baker	University of Nottingham, UK
Karin Becker	Quality Knowledge Inc., Brasil
Mária Bielíková	Slovak University of Technology, Slovakia
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