



# The 4th International Conference on Educational Data Mining, Eindhoven, the Netherlands July 6-8, 2011

<http://educationaldatamining.org/EDM2011>

## WELCOME

The 4<sup>th</sup> International Conference on Educational Data Mining (EDM 2010) brings together researchers from computer science, education, psychology, psychometrics, and statistics to analyze large datasets to answer educational research questions.

Recently, the increase in dissemination of interactive learning environments, learning management systems, intelligent tutoring systems, and educational hypermedia systems has allowed the collection of huge amounts of data. The increase in instrumented educational software, as well as state databases of student test scores, has also created large repositories of data reflecting how students learn.

A popular and effective way of discovering new knowledge from large and complex data sets is data mining.

The EDM conference focuses on computational approaches for using those data to address important educational questions. The broad collection of research disciplines ensures cross fertilization of ideas, with the central questions of educational research serving as a unifying focus.

## IMPORTANT DATES (tentative)

<b>April 5, 2011</b>	Paper submission due
<b>May 10, 2011</b>	Poster submission due
<b>May 15, 2011</b>	Notification of acceptance
<b>June 5, 2011</b>	Final papers due
<b>July 6-8, 2011</b>	Conference days

## CONFERENCE CHAIRS

Mykola Pechenizkiy Eindhoven University of Technology  
Toon Calders Eindhoven University of Technology

## PROGRAM CHAIRS

Cristina Conati University of British Columbia, Canada  
Sebastian Ventura University of Cordoba, Spain

## WEB CHAIR

Arnon Hershkovitz University of Tel Aviv, Israel

## LOCAL ORGANIZING COMMITTEE

Jorn Bakker, Paul De Bra, Evgeny Knutov, Lam Hoang, Faisal Kamiran, Ekaterina Vasilyeva, Sicco Verwer, Indre Zliobaite

## CALL FOR PAPERS

The EDM conference invites papers that study how to apply data mining to analyze data generated by various information systems supporting learning or education (in schools, colleges, universities, and other academic or professional learning institutions providing traditional and modern forms and means of teaching, as well as informal learning).

EDM may require adaptation of existing or development of new approaches that build upon techniques from a combination of areas, including but not limited to statistics, psychometrics, machine learning, information retrieval, recommender systems and scientific computing.

## TOPICS OF INTEREST

- Generic frameworks, methods and approaches for EDM
- Learner or student modeling
- Mining assessment data
- Mining browsing or interaction data
- Mining the results of educational research (e.g. A/B tests)
- Educational process mining
- Data-driven adaptation and personalization
- Improving educational software
- Evaluating teaching interventions.
- Emotion, affect, and choice
- Integrating data mining and pedagogical theory
- Improving teacher support
- Replication studies
- Best practices for adaptation of data mining, information retrieval, recommender system, opinion mining, and question answering techniques to educational context

## SUBMISSION PROCEDURE

We solicit

- Full papers (up to 10 pages),
- Young researcher papers (up to 8 pages),
- Posters and Demos (up to 2 pages).

For submission instructions, see  
<http://educationaldatamining.org/EDM2011/>

Each submitted paper will be reviewed by at least three reviewers. Accepted papers will be published in the EDM 2011 proceedings and will also appear online at <http://educationaldatamining.org>.

For further information please contact the organizers at [edm2011chairs@gmail.com](mailto:edm2011chairs@gmail.com)



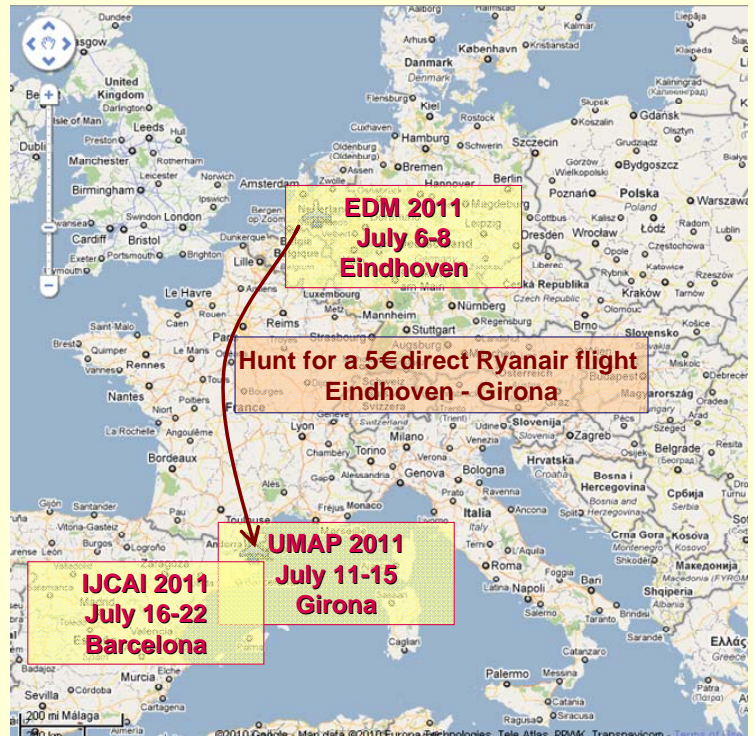
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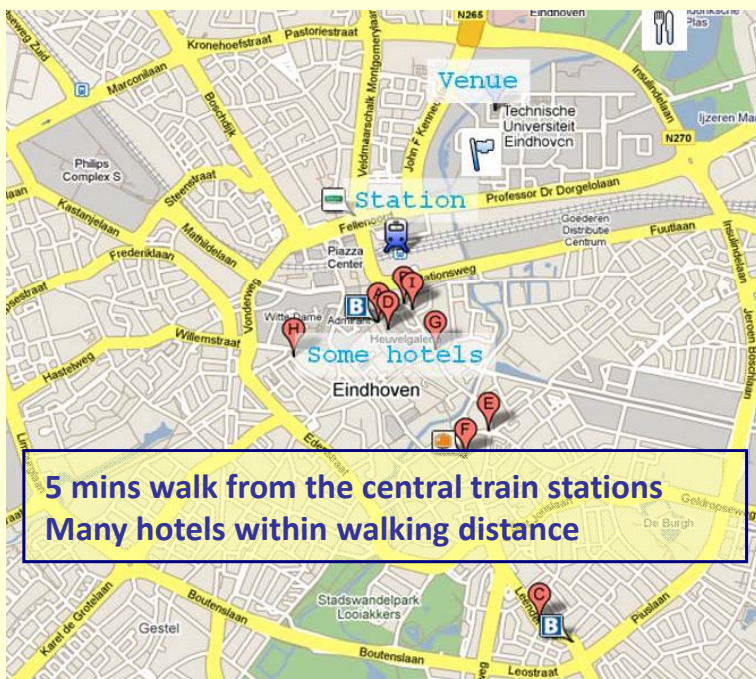
## CONFERENCE LOCATION

## COLLOCATED EVENTS: UMAP 2011 & IJCAI 2011



## CONFERENCE VENUE

## Eindhoven University of Technology (TU/e)



Looking forward to seeing you in Eindhoven!  
EDM 2011 Conference chairs and local organization team

For further information please contact the organizers at [edm2011chairs@gmail.com](mailto:edm2011chairs@gmail.com)