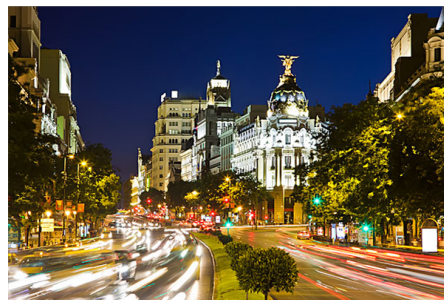




**EDM 2015**

The 8th International Conference  
on Educational Data Mining

26-29 June 2015  
Madrid - Spain



## **EDM 2015 Workshops Proceedings**

# **8<sup>th</sup> International Conference on Educational Data Mining**

**(EDM 2015)**

**Madrid, Spain – June 26-29 2015**

**Edited by**

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KU Leuven, Belgium

# EDM 2015 Workshops Proceedings

## Preface

This volume compiles the papers accepted for publication in the two workshops taking place during the 8<sup>th</sup> International Conference in Educational Data Mining (EDM 2015). The third workshop is collocated with the 17<sup>th</sup> International Conference on Artificial Intelligence in Education. This is the second year in which call for workshops has been issued under the auspices of the Educational Data Mining conference. The fact that workshops submitted to EDM and AIED conferences are collocated is not incidental, demonstrating a complementarity and common roots of the two research disciplines.

The purpose of the EDM workshops is to provide targeted forum for academics, industry experts, and other interested parties to present and critique existing state of the art in EDM and to generating novel ideas of relevance to Educational Data Mining. EDM requires adapting existing approaches or developing 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. Given its focus on Education EDM represents a unique data science in that first and foremost its concerned is interpreting data for the specific purpose of informing education be it technology enhanced or otherwise.

The workshops held in conjunction with the 8<sup>th</sup> EDM and 17<sup>th</sup> AIED conferences include:

### **Graph-based Educational Data Mining**

*Organisers:* Collin F. Lynch, Tiffany Barnes, Jennifer Albert, Michael Eagle

### **Tools and Technologies in Statistics, Machine Learning and Information Retrieval for Educational Data Mining**

*Organisers:* Marian Cristian Mihăescu, Mihai Mocanu, Costel Ionascu, Mirel Cosulschi

### **International Workshop on Affect, Meta-Affect, Data and Learning**

*Organisers:* Genaro Rebolledo-Mendez, Manolis Mavrikis, Olga C. Santos, Benedict du Boulay, Beate Grawemeyer and Rafael Rojano-Cáceres

Two tutorials are also held at the EDM and these include:

### **Using Natural Language Processing Tools in Educational Data Mining**

*Organisers:* Scott Crossley, Laura Allen, Danielle McNamara

### **Student Modeling Applications, Recent Developments & Toolkits**

*Organisers:* José González-Brenes, Kai-Min Chang, Michael Yudelson, Yoav Bergner, Yun Huang

We would like to thank all workshop organisers for their involvement in the organisation of the workshops and their cooperation, as well as their efforts in attracting contributions and participants to their workshops.

*Kaśka Porayska-Pomsta & Katrien Verbert*