

EDM 2014 Extended Proceedings

Preface

In this volume we compile the papers accepted for publication in the 4 workshops that are run in the 7th International Conference on Educational Data Mining (EDM 2014). For the first time in this conference series a call for workshops was published, resulting in a very positive response from the EDM community, as these proceedings show.

The purpose of EDM workshops is to provide an opportunity for participants from academia, industry, government and other related parties to present and discuss novel ideas on current and emerging topics relevant 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.

The workshops held in conjunction with EDM 2014 are the following:

- **Graph-based Educational Data Mining (G-EDM)**. Organizers: *Collin F. Lynch, Tiffany Barnes*
- **Non--Cognitive Factors & Personalization for Adaptive Learning (NCFPAL)**. Organizers: *Steven Ritter, Stephen E. Fancsali*
- **Approaching Twenty Years of Knowledge Tracing: Lessons Learned, Open Challenges, and Promising Developments (BKT20y)**. Organizers: *Michael Yudelson, José P. González-Brenes, Michael Mozer*
- **Feedback from Multimodal Interaction in Learning Management Systems (FFMI)**. Organizers: *Lars Schmidt-Thieme, Ruth Janning*

We would like to thank all workshop organizers for their involvement and cooperation along the process, as well as their efforts in attracting contributions and participants to their workshops.

*Sergio & Olga
June, 2014*