

# Contents

## Long Presentations

Exploring the Potential of User Modeling Based on Mind Maps . . . . .	3
<i>Joeran Beel, Stefan Langer, Georgia Kapitsaki, Corinna Breitingner, and Bela Gipp</i>	
Modeling Motivation in a Social Network Game Using Player-Centric Traits and Personality Traits. . . . .	18
<i>Max V. Birk, Dereck Toker, Regan L. Mandryk, and Cristina Conati</i>	
Automatic Gaze-Based Detection of Mind Wandering with Metacognitive Awareness . . . . .	31
<i>Robert Bixler and Sidney D'Mello</i>	
The Value of Social: Comparing Open Student Modeling and Open Social Student Modeling . . . . .	44
<i>Peter Brusilovsky, Sibel Somyürek, Julio Guerra, Roya Hosseini, and Vladimir Zadorozhny</i>	
MENTOR: A Physiologically Controlled Tutoring System. . . . .	56
<i>Maher Chaouachi, Imène Jraidi, and Claude Frasson</i>	
Context-Aware User Modeling Strategies for Journey Plan Recommendation . . . . .	68
<i>Victor Codina, Jose Mena, and Luis Oliva</i>	
MOOCIm: User Modelling for MOOCs. . . . .	80
<i>Ronny Cook, Judy Kay, and Bob Kummerfeld</i>	
Dynamic Approaches to Modeling Student Affect and Its Changing Role in Learning and Performance . . . . .	92
<i>Seth Corrigan, Tiffany Barkley, and Zachary Pardos</i>	
Analyzing and Predicting Privacy Settings in the Social Web . . . . .	104
<i>Kaweh Djafari Naini, Ismail Sengor Altingovde, Ricardo Kawase, Eelco Herder, and Claudia Niederée</i>	
Counteracting Anchoring Effects in Group Decision Making . . . . .	118
<i>Martin Stettinger, Alexander Felfernig, Gerhard Leitner, and Stefan Reiterer</i>	

Gifting as a Novel Mechanism for Personalized Museum and Gallery Interpretation . . . . .	131
<i>Lesley Fosh, Steve Benford, Boriana Koleva, and Katharina Lorenz</i>	
Supporting Cross-Device Web Search with Social Navigation-Based Mobile Touch Interactions . . . . .	143
<i>Shuguang Han, Daqing He, Zhen Yue, and Peter Brusilovsky</i>	
A Utility Model for Tailoring Sensor Networks to Users. . . . .	156
<i>Masud Moshtaghi and Ingrid Zukerman</i>	
Towards a Recommender Engine for Personalized Visualizations. . . . .	169
<i>Belgin Mutlu, Eduardo Veas, Christoph Trattner, and Vedran Sabol</i>	
Cross-System Transfer of Machine Learned and Knowledge Engineered Models of Gaming the System . . . . .	183
<i>Luc Paquette, Ryan S. Baker, Adriana de Carvalho, and Jaclyn Ocumpaugh</i>	
MobiScore: Towards Universal Credit Scoring from Mobile Phone Data. . . .	195
<i>Jose San Pedro, Davide Proserpio, and Nuria Oliver</i>	
Where to Next? A Comparison of Recommendation Strategies for Navigating a Learning Object Repository . . . . .	208
<i>Jennifer Sabourin, Lucy Kosturko, and Scott McQuiggan</i>	
Diagrammatic Student Models: Modeling Student Drawing Performance with Deep Learning . . . . .	216
<i>Andy Smith, Wookhee Min, Bradford W. Mott, and James C. Lester</i>	
Lessons Learned – 15 Years of Delivering Real-World Pedagogically Driven Courses Using Experimental Platforms . . . . .	228
<i>Athanasios Staikopoulos, Ian O’Keeffe, and Owen Conlan</i>	
Smartphone Based Stress Prediction . . . . .	240
<i>Thomas Stütz, Thomas Kowar, Michael Kager, Martin Tiefengrabner, Markus Stuppner, Jens Blechert, Frank H. Wilhelm, and Simon Ginzinger</i>	
Exploiting Implicit Item Relationships for Recommender Systems . . . . .	252
<i>Zhu Sun, Guibing Guo, and Jie Zhang</i>	
The Mars and Venus Effect: The Influence of User Gender on the Effectiveness of Adaptive Task Support . . . . .	265
<i>Alexandria Katarina Vail, Kristy Elizabeth Boyer, Eric N. Wiebe, and James C. Lester</i>	

Quiet Eye Affects Action Detection from Gaze More Than Context Length. . . . .	277
<i>Hana Vrzakova and Roman Bednarik</i>	
User Model in a Box: Cross-System User Model Transfer for Resolving Cold Start Problems . . . . .	289
<i>Chirayu Wongchokprasitti, Jaakko Peltonen, Tuukka Ruotsalo, Payel Bandyopadhyay, Giulio Jacucci, and Peter Brusilovsky</i>	
Implicit Acquisition of User Personality for Augmenting Movie Recommendations. . . . .	302
<i>Wen Wu and Li Chen</i>	
Harnessing Engagement for Knowledge Creation Acceleration in Collaborative Q&A Systems. . . . .	315
<i>Jie Yang, Alessandro Bozzon, and Geert-Jan Houben</i>	
<b>Short Presentations</b>	
News Recommender Based on Rich Feedback . . . . .	331
<i>Liliana Ardissono, Giovanna Petrone, and Francesco Vigliaturo</i>	
News Recommenders: Real-Time, Real-Life Experiences . . . . .	337
<i>Doychin Doychev, Rachael Rafter, Aonghus Lawlor, and Barry Smyth</i>	
On the Use of Cross-Domain User Preferences and Personality Traits in Collaborative Filtering. . . . .	343
<i>Ignacio Fernández-Tobías and Iván Cantador</i>	
Understanding Real-Life Website Adaptations by Investigating the Relations Between User Behavior and User Experience. . . . .	350
<i>Mark P. Graus, Martijn C. Willemsen, and Kevin Swelsen</i>	
Modelling the User Modelling Community (and Other Communities as Well). . . . .	357
<i>Dario De Nart, Dante Degl'Innocenti, Andrea Pavan, Marco Basaldella, and Carlo Tasso</i>	
Personality Correlates for Digital Concert Program Notes . . . . .	364
<i>Marko Tkalčič, Bruce Ferwerda, David Hauger, and Markus Schedl</i>	
Integrating Context Similarity with Sparse Linear Recommendation Model . . . . .	370
<i>Yong Zheng, Bamshad Mobasher, and Robin Burke</i>	

**Doctoral Consortium**

Modeling Motivational States Through Interpreting Physical Activity Data for Adaptive Robot Companions . . . . .	379
<i>Elena Corina Grigore</i>	
Privacy-Enhanced Personalisation of Web Search . . . . .	385
<i>Anisha T.J. Fernando</i>	
From Artifact to Content Source: Using Multimodality in Video to Support Personalized Recomposition . . . . .	391
<i>Fahim A. Salim</i>	
Exploiting Item and User Relationships for Recommender Systems . . . . .	397
<i>Zhu Sun</i>	
<b>Author Index</b> . . . . .	403

User Modeling, Adaptation and Personalization  
23rd International Conference, UMAP 2015, Dublin,  
Ireland, June 29 -- July 3, 2015. Proceedings  
Ricci, F.; Bontcheva, K.; Conlan, O.; Lawless, S. (Eds.)  
2015, XVI, 404 p. 108 illus., Softcover  
ISBN: 978-3-319-20266-2