4th International Workshop on Personalization Approaches in Learning Environments PALE 2014

http://adenu.ia.uned.es/workshops/pale2014
http://ceur-ws.org/Vol-1181/#pale2014

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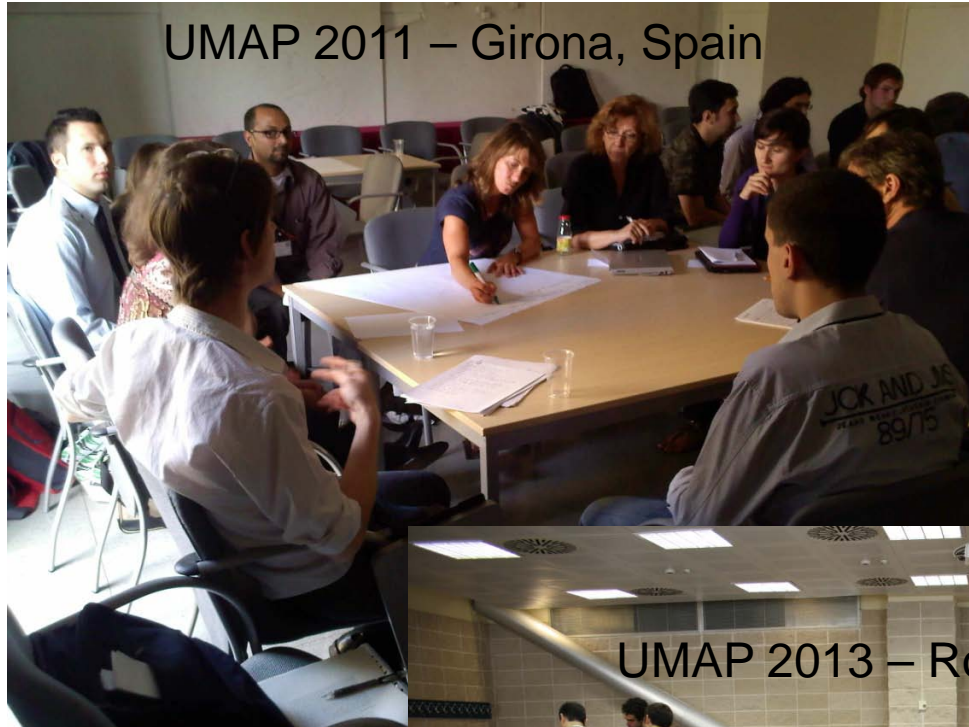(1) RWTH Aachen University, Germany
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UMAP 2014 in Aalborg, Denmark
11 July, 2014

PALE History

UMAP 2011 – Girona, Spain

UMAP 2012 – Montreal, Canada

UMAP 2013 – Rome, Italy

How user modeling and associated artificial intelligent techniques provide the personalization support in a wide range of learning environments?

- **Affective computing**
- **Ambient intelligence**
- **Personalization of MOOCs**
- **Learner and context awareness**
- **Social and educational issues**
- **Open-corpus educational systems**
- **Adaptive mobile learning**
- **Successful methods and techniques**
- **Reusability, interoperability, scalability**
- **Evaluation of adaptive learning environments**

Reviewers

- Miguel Arevalillo
- Mária Bieliková
- Rafael Calvo
- Rosa Carro
- Cristina Conati
- David Cooper
- Dragan Gasevic
- Sabine Graf
- Tomáš Horváth

- Kinshuk
- Iolanda Leite
- Noboru Matsuda
- Alexander Nussbaumer
- Alexandros Paramythis
- Diana Perez Marín
- Elvira Popescu
- Carsten Ullrich

Many thanks!

Workshop Schedule

09:00 - 09:10 Welcome to PALE workshop (Kravcik et al.)

09:10 - 10:40 **Session 1:** 2 presentations, Learning Café, Summary

10:40 - 11:00 Coffee Break

11:00 - 12:30 **Session 2:** 2 presentations, Learning Café, Summary

12:30 - 14:00 Lunch Break

14:00 - 15:30 **Session 3:** 2 presentations, Learning Café, Summary

15:30 - 16:00 Coffee Break

16:00 - 17:30 **Session 4:** 2 presentations, Learning Café, Summary

17:30 - 18:00 Closing PALE workshop

Learning Cafe Methodology

- **Presentations** (2 x 10 min)

- **Discussion** (60 min)
  - Each presenter moderates 1 table discussion (on 3-4 key questions)
  - Participants change tables after 30 min

- **Summary** (10 min)
  - Each presenter introduces the key questions and elaborated answers

Session 1: Modeling issues

Modelling issues: student's performance, user's profile management in a standardize way:

- 09:10 - 09:20 **Integrating Knowledge Tracing and Item Response Theory: A Tale of Two Frameworks** (Khajah et al.)
- 09:20 - 09:30 **User profile modelling for researcher digital resource management systems** (Sawadogo et al.)
- 09:30 - 10:00 Learning Café 1 - round 1
- 10:00 - 10:30 Learning Café 1 - round 2
- 10:30 - 10:40 Summary of the Learning Café 1

Session 2: Learner's attributes

Learner's attributes: reputation and mind wandering to improve the personalized support

11:00 - 11:10 **Towards a transferable and domain-independent reputation indicator to group students in the Collaborative Logical Framework approach** (Lobo et al.)

11:10 - 11:20 **Evaluation of a Personalized Method for Proactive Mind Wandering Reduction** (Bixler et al.)

11:20 - 11:50 Learning Café 2 - round 1

11:50 - 12:20 Learning Café 2 - round 2

12:20 - 12:30 Summary of the Learning Café 2

Session 3: Extension of learner's attributes

Learner's attributes: detecting affective states to improve the personalized support

14:00 - 14:10 **Providing Personalized Guidance in Arithmetic Problem Solving** (Arevalillo-Herráez et al.)

14:10 - 14:20 **Modifying Field Observation Methods on the Fly: Metanarrative and Disgust in an Environmental MUVE** (Ocumpaugh et al.)

14:20 - 14:50 Learning Café 3 - round 1

14:50 - 15:20 Learning Café 3 - round 2

15:20 - 15:30 Summary of the Learning Café 3

Session 4: User modeling in new contexts

Applying user modeling in new contexts, such as MOOCs and gamified environments

16:00 - 16:10 **Personalized Web Learning: Merging Open Educational Resources into Adaptive Courses for Higher Education** (Henning et al.)

16:10 - 16:20 **Gamification: metacognitive scaffolding towards long term goals?** (Tang et al.)

16:20 - 16:50 Learning Café 4 - round 1

16:50 - 17:20 Learning Café 4 - round 2

17:20 - 17:30 Summary of the Learning Café 4