The 1ˢᵗ International Workshop on User Modeling for Web-based Learning (IWUM)

1   Workshop Chairs:

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2   Workshop Organizers (Program Committees)

- Raymong Y. K. Lau, City University of Hong Kong, Hong Kong
- Jiming Liu, Hong Kong Baptist University, Hong Kong
- Neil Y. Yen, University of Aizu, Japan
- Raymong Wong, Hong Kong University of Science and Technology, Hong Kong
- Yunjun Gao, Zhejiang University, China
- Ke Li, Michigan State University, USA
- Chung Keung Poon, Caritas Institute of Higher Education, Hong Kong
- Wong Tak Lam, Hong Kong Institute of Education, Hong Kong
- Jianfeng Si, Institute for Infocomm Research, Singapore
- Xi Tan, Purdue University, USA
- Wei Chen, Agricultural Information Institute of CAAS, China
- Xudong Mao, Alibaba, China
- Ksenia Troshina, The Hong Kong Polytechnic University, Hong Kong
- Wenyin Liu, City University of Hong Kong, Hong Kong
- Xun Xiao, Huawei European Research Center, Germany
- Shaojie Qiao, Southwest Jiaotong University, China
- Jianke Zhu, Zhejiang University, China
- Derong Shen, Northeastern University, China
- Wenji Ma, Columbia University, USA
- Jing Yang, Research Center on Fictitious Economy & Data Science CAS, China
- Yuqing Sun, Shangdong University, China
- Jian Chen, South China University of Technology, China
- Yangqiu Song, University of Illinois at Urbana-Champaign, USA
- Zhiwen Yu, South China University of Technology, China
- Shaoxu Song, Tsinghua University, China

3   Workshop Topics

With the rapid development of Massive Online Open Course (MOOC), web 2.0 online communities, social media, and mobile technologies in the big data era, there has been fast proliferation of learning resources such as online learning communities, open course videos, and learning materials (e.g., web pages, animations and documents). Such a large volume of learning data requires users to build up effective skills of information organization and management. To achieve this goal, it is essential to develop powerful and versatile user model, containing various user information such as learning preferences, styles, backgrounds, pre-knowledge and contexts. This user model can be exploited and applied to a range of web-based learning applications such as personalized learning paths discovery, learning resource recommendations, course opinions and sentiment analysis.

The International Workshop on User Modeling for Web-based Learning in conjunction with ICWL 2015 will bring together the academia, researchers, and industrial practitioners from computer science, information systems, education, psychology and behavior science disciplines, and provide a forum for recent advances in the field of user modeling, data mining, social computing and big data analytics, from the perspectives of web-based learning.

Topics of interest include, but are not limited to the exploitation of user modeling for web-based learning, the identification of semantics underlying large volume of user data for user modeling and efficient algorithms for e-learning data management, and the applications of user modeling for web-based learning in the following research fields:

- User and learning resource modeling
- User and learning resource pattern mining
- User profiling and personalization
- User log mining and analytics
- Learning resource semantics extractions
- Learning resources recommendation and search
- Index and management of learning resources
- Ontology mining and modeling for learning users
- Context modeling for users
- Social computing and analysis for users
- Data management on learning resources
- Sentiment mining for user review
- Opinion mining on learning resources
- Cognitive-based user modeling
- Learning style and methodology modeling
- Learning assessments modeling
- User modeling for domain-specific applications (e.g., language learning, mathematics education)

4   Important Dates

- 15th July, 2015: Submission of workshop papers
- 15th August, 2015: Notification of acceptance
- 1st September, 2015, Camera-ready due
- 5th -8th November, 2015, Workshop in Guangzhou

5   URL of Site to Host the Workshop

The proposed site is: https://www.cihe.edu.hk/iwum2015/

6   Paper Reviewing and Selection Process

Each paper will be reviewed by at least two reviewers from the workshop chairs and program committees. Reviewers are selected based on whether they are familiar with topics of the paper or not and whether there is a conflict of interests with authors or not. The reviewers write full reviews that will be later returned to the authors anonymously. In unusual cases, such as when an external reviewer fails to deliver a review on time, PC chairs will invite other reviewers who have sufficient expertise but are not among the program committee members. In those cases, at least two PC chairs will examine the review comments to ensure the quality of the review. Accepted papers will be selected based on the mean scores by reviewers.

7   Expected Duration of the Workshop

The expected duration of the workshop is half-day.