15th Workshop on Adapтивitⅳ and User Modeling in Interactive Systems

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1 The ABIS Workshop

ABIS - ‘Adaptivität und Benutzermodellierung in interaktiven Softwaresystemen’ - is the special interest group on Adaptivity and User Modeling in Interactive Systems of the German Computer Society.

The ABIS Workshop has been established as a highly interactive forum for discussing the state of the art in personalization and user modeling. Latest developments in industry and research are presented in plenary sessions, forums and tutorials to discuss trends and experiences.

2 ‘Modeling Users and Adaptive Behavior’

Nowadays adaptation is seen as the most promising approach to increase the usability of complex modern software. In the recent years, various adaptation techniques have been introduced and seem to work well for specific application contexts.

To enable re-use and comparison of the different techniques, there is a strong need, not only for domain independent adaptation techniques, but also for formal description of the involved models.

Adaptive systems cannot be considered without the user’s context, as they interact with and work for the user. To enhance the quality of adaptation, every adaptive system requires a very precise knowledge of the user. This knowledge includes the behavior of the user, e.g. by observing the interactions of the user with the system, to discover the context and the interest of the user.

Therefore, all adaptive systems can benefit from a comprehensive model that describes the behavior of a user, and other relevant information about her.

3 Workshop Overview

The program committee received submissions from research and industry within the broad area of User Modeling and Adaptive Systems. Special emphasis of this year's workshop was on submissions in the following areas:

User models for adaptive systems
- Modeling behavior of users
- Modeling user’s context
- Reasoning on user models
- Interpretation of user behavior and user feedback
- Machine learning for user modeling

Behavior of adaptive systems
- Adaptive presentation
- Adaptive orientation support
- Evaluation of adaptive systems

4 Program Chairs

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5 Program Committee

- Armen Aghasaryan (Alcatel-Lucent, France)
- Mathias Bauer (DFKI GmbH, Germany)
- Susanne Boll (Die Carl von Ossietzky Universität Oldenburg, Germany)
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- Sabine Graf (TU Wien, Austria)
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- Hagen Höpfner (International University in Bruchsal, Germany)
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