

# HAAPIE

CALL FOR PAPERS

2<sup>nd</sup> International Workshop on

## Human Aspects in Adaptive and Personalized Interactive Environments – HAAPIE 2017

<http://haapie.cs.ucy.ac.cy>

to be held in conjunction with the 25<sup>th</sup> Conference on User Modeling, Adaptation and Personalization (ACM UMAP 2017), 9-12 July 2017 in Bratislava, Slovakia



### Important Dates

Submission: 20 April 2017  
Notification: 20 May 2017  
Camera-ready: 28 May 2017

### Organizing Committee

**Panagiotis Germanakos**, SAP  
SE, DE & University of Cyprus, CY  
**Styliani Kleanthous-Loizou**,  
University of Cyprus, CY  
**George Samaras**, University of  
Cyprus, CY  
**Vania Dimitrova**, University of  
Leeds, UK  
**Ben Steichen**, Santa Clara  
University, USA

### MOTIVATION & GOALS

State-of-the-art approaches in adaptation and personalization research consider user models that mostly maintain information regarding the “traditional” user characteristics (i.e., experience, knowledge, interests, context), and related contextual or technology aspects (i.e., displays, connectivity, processing power). While modeling these factors has shown significant improvements and benefits to the end-users in terms of usability and user experience, still the needs of today’s epoch signify the further engagement into research that will produce *more holistic human-centered practices*. The vision is to bring more inclusively the “human-in-the-loop”, considering intrinsic user characteristics and abilities, like perceptual, personality, visual, cognitive and emotional factors as expressed by the theories of individual differences. In addition, recent studies show the need of broadening the scope of diversity parameters to include characteristics such as motivation, self-actualization, and socio-cultural differences. The overarching goal of HAAPIE 2017 is to bring together researchers and practitioners working in the areas of human aspects in adaptation and personalization, and aims to:

- Explore state-of-the-art and new implicit and explicit methods and techniques of modeling a broad range of human factors of users and behaviors – both separately and in possible combinations (e.g., cognitive abilities and age; motivation and cultural differences);
- Explore personalization techniques, computational intelligence algorithms, recommendation models, and real-time paradigms that can improve the efficiency and effectiveness of user tasks and interventions;
- Compare challenges and experience in different real world contexts and applications (e.g., decision support, learning, wellbeing, security), where a holistic view on human aspects is needed to provide a positive user experience; and
- Identify theoretical and computational models for the design, development and evaluation of human aspects in adaptation and personalization.

The added value will be to shape new human-centered adaptive interactive environments and personalized platforms that can contribute towards long-term viable solutions.

## TOPICS OF INTEREST

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Topics of interest include, but are not limited to:

- Human-centered Modeling, Adaptation Methods and Techniques
- Influence of Human Factors on Interactive Systems for Personalization
- Usage of Human Factors for Personalization
- Implicit and Explicit Detection of Human Factors for Personalization
- Human-centered Algorithms for Content Recommendation and Delivery
- Novel Human-centered Interaction Concepts and User Interfaces
- Individual Differences (Personality, Cognition, etc.)
- Synergy of Affective and Human Cognitive Factors
- Modeling Groups and Communities of Diverse Users
- Evaluation of Human Aspects in Adaptation and Personalization
- Personalized Access to Services Content
- User Experience
- Cultural and Language Diversity and Adaptation
- Age-specific Personalization and Adaptation
- Adaptation and Personalization for Users with Special Needs
- User Behavior and Behavior Change
- Context Awareness
- Human Aspects in Personalized Internet of Things Applications
- User-centric Cyber-Physical-Social Adaptive Systems
- Human Aspects in Social Adaptive Robots
- Adaptation and Personalization in Usable Privacy and Security
- Privacy Aspects of Modeling Human Factors in Personalization Systems

## TYPES OF PAPERS

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In HAAPIE 2017 we encourage original and relevant contributions focusing on

experiences and lessons learned from real-life applications, current state-of-the-art methodologies, challenges tackled and solutions adopted, tools, algorithms, and services in the academic, public or private sector, studies, theories, techniques, and evaluation procedures that could support human-centered adaptation and personalization issues in various levels of interactive environments.

All workshop papers must contain original, previously unpublished, research work adhering the two publication types:

- **Full research papers (6 pages, incl. references)**, proposing new approaches, innovative methods and research findings. They should make substantial theoretical and empirical contributions to the research field.
- **Short research papers (4 pages, incl. references)**, presenting work in progress, lessons learnt, positions, emerging or future research issues and directions on human aspect challenges in the area.

Manuscripts should be formatted using the ACM Standard (SIGCONF) templates (<http://www.acm.org/publications/proceedings-template>).

## SUBMISSION & PUBLICATION

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All papers will undergo a peer review process by at least two expert reviewers to ensure a high standard of quality. Referees will consider originality, significance, technical soundness, clarity of exposition, and relevance to the workshop's topics. Research papers should be submitted electronically as a single PDF file through the EasyChair submission system (<https://easychair.org/conferences/?conf=haapie2017>).

Accepted papers will be published by ACM and will be available via the ACM Digital Library.