UMAP 2018 Intelligent User-Adapted Interfaces: Design and Multi-Modal Evaluation (IUadaptMe) Workshop Chairs' Welcome

It is our great pleasure to welcome you to the *UMAP 2018 IUadaptME* workshop. The workshop is focused on two main topics. On the one hand, we are interested in proactive user interfaces that support the user in ubiquitous contexts. This includes applications that can be provided as a service and can be used on any mobile device, with no need for installation or software updates; personalized user interfaces that track the user's progress, adapt to her/his needs and prompt her/him without being disruptive or inconvenient and provide analytics and predictive instruments; smart and personalized information services to explore, search, interact, share, practice and discover qualitative content that fits the user's diverse and changing needs; approaches that are focused on understanding and representing content, users, devices and situations where interaction happens, with special focus on semantics.

The second main theme of the workshop is the evaluation of user-adapted systems. We observe that multi-method evaluations are hardly ever adopted in personalized systems research. We believe that this lack of practice is due to widely held misunderstandings and misconceptions among researchers about the actual meaning, potential, and practical application of multi-method research. From a practical point of view, deciding which multi-method designs are suitable for a particular study is a complex task (even more so for inexperienced researchers).

The *IUadaptME* workshop aims at contributing beyond the state-of-the-art of the evaluation of recommender systems and other personalized systems by working towards overcoming prevalent challenges in evaluation, including but not limited to (a) the difficulty of identifying the methods meeting the evaluation objectives, (b) the high cost for involving users in the evaluation process (compared to pure offline studies), and (c) integrating those methods across an entire study so that the results contribute to a comprehensive picture of user experience.

We are delighted to present the high-quality program we put together for the *IUadaptMe* workshop. Our workshop received papers from Europe, Asia, USA and Canada, where 3 long, 4 short and one demo paper have been accepted for publishing and presentation at the workshop. The workshop program is organized in two main tracks, focused respectively on Design and Evaluation of personalized user interfaces.

As for the design-centric papers, five submissions were accepted:

- The paper "User Acceptance of Proactive Recommendations on Smartphone and Smartwatch" investigates the usage of smartwatches for displaying proactive recommendations and offering quick feedback options and assesses the user acceptance on an application for restaurant recommendations.

- The paper "Adaptive User Interface for a Personalized Mobile Banking App" discusses the design of a Mobile Banking user interface that adapts to the user's needs with real-time analysis of user's prior interactions with the system to improve user experience and usage.

- The paper "Modeling user intents as context in smartphone-connected hearing aids" discusses how user auditory intents could be modeled as context collected via mobile devices and suggests what kinds of contextual information are relevant when learning situation-specific intents and the corresponding preferences of hearing impaired users.

- The paper "Comparing Sequential and Temporal Patterns from Human Mobility Data for Next-Place Prediction" addresses next-place prediction using the sequential and temporal

patterns embedded in human mobility data that has been collected using the GPS sensor of smartphones.

- The paper "Towards a User-Adapted Question/Answering Educational Approach" addresses the generation of personalized learning paths by exploiting textual and prosody analysis of questions in order to select concepts that are relevant for the learner.

As for the evaluation-centric papers, the following three submissions were accepted:

- The paper "Multi-method Evaluation in Scientific Paper Recommender Systems" presents a scientific paper recommender system that has been jointly evaluated both by offline evaluations and a user study.

- The paper "Bridging the gap between online and offline evaluation of personalized recommendation systems" presents a study on the effects of dataset density on recommendation quality, where multiple evaluation metrics and methods are used.

- The paper "Exploring the Impact of Elaborateness and Indirectness on User Satisfaction in a Spoken Dialogue System" studies how varying communication styles of a spoken user interface are perceived by users and investigates if there are global preferences in the communication styles' elaborateness and indirectness.

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