

4th Joint Workshop on Interfaces and Human Decision Making for Recommender Systems (IntRS) 2017

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Proceedings

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in conjunction with

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Preface

This volume contains the papers presented at the 4th Joint Workshop on Interfaces and Human Decision Making for Recommender Systems (IntRS), held as part of the 11th ACM Conference on Recommender System (RecSys), in Como, Italy.

RecSys is the premier international forum for the presentation of new research results, systems and techniques in the broad field of recommender systems. Recommendation is a particular form of information filtering, that exploits past behaviors and user similarities to generate a list of information items that is personally tailored to an end-user's preferences. Since the emergence of recommender systems, a large majority of research focuses on objective accuracy criteria and less attention has been paid to how users interact with the system and the efficacy of interface designs from users' perspectives. The field has reached a point where it is ready to look beyond algorithms, into users' interactions, decision making processes, and overall experience.

The IntRS workshop focuses on human-centred recommender system design and application. It attempts to bring together researchers who are interested in integrating different theories of human decision making into the design and construction of recommender systems, as well as designing and evaluating novel intelligent interfaces for recommender systems in order to: (1) share research and techniques, including new design technologies and evaluation methodologies, (2) identify next key challenges in the area, and (3) identify emerging topics.

The 8 technical papers included in the proceedings were selected through a rigorous reviewing process, where each paper was reviewed by three PC members. These papers cover the themes of Interaction Mechanisms, Visualization, Preference Elicitation, and Cognitive Factors. The workshop additionally consists of an invited talk by Dietmar Jannach on "Interacting with Recommender Systems", and demos.

The IntRS chairs would like to thank the RecSys workshop chairs, Giovanni Semeraro and Marko Tkalčič, for their guidance during the workshop organization. We also wish to thank all authors and all demo presenters, and the members of the program committee. All of them secured the workshop's high quality standards.

July 2017

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