Proceedings of the

Joint Workshop on Interfaces and Human Decision Making in Recommender Systems

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Preface

As interactive intelligent systems, recommender systems are developed to suggest items that match users' preferences. Since the emergence of recommender systems, a large majority of research has focused 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.

Accordingly, the goals of the workshop are to explore the human aspects of recommender systems, with a particular focus on the impact of interfaces and interaction design on decision-making and user experiences with recommender systems, and to explore methodologies to evaluate these human aspects of the recommendation process that go beyond traditional automated approaches.

The aim is to bring together researchers and practitioners around the topics of 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 workshop covers three interrelated themes: a) user interfaces (e.g. visual interfaces, explanations), b) interaction, user modeling and decision-making (e.g. decision theories, argumentation, detection and avoidance of biases), and c) evaluation (e.g. case studies and empirical evaluations).

This workshop aims at creating an interdisciplinary community with a focus on the interface design issues for recommender systems and promoting collaboration opportunities between researchers and practitioners.

The workshop consists of a mix of eight presentations of papers in which results of ongoing research as reported in these proceedings are presented and one invited talk by Julita Vassileva presenting "Visualization and User Control of Recommender Systems". The workshop is closed by a final discussion session.

Nava Tintarev, John O'Donovan, Peter Brusilovsky, Alexander Felfernig, Giovanni Semeraro and Pasquale Lops

September 2014

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