



**Call for papers:**

**4<sup>th</sup> Joint Workshop on Interfaces and Human Decision Making for Recommender Systems. IntRS'17: <https://intrs17.wordpress.com/>**

**Held in conjunction with the ACM Conference on Recommender Systems (RecSys 2017). 27-31st of August, Como, Italy**

**Submission deadline: June 6th, 2017**

**Submission site: <https://easychair.org/conferences/?conf=intrs2017>**

As an interactive intelligent system, recommender systems are developed to give recommendations that match users' 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.

This workshop will focus on the aspect of integrating different theories of human decision making into the construction of recommender systems. It will focus particularly on the impact of interfaces on decision support and overall satisfaction.

The aim of the workshop 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.

This workshop aims at establishing an interdisciplinary community with a focus on the interface design issues for recommender systems and promoting the collaboration opportunities between researchers and practitioners. We particularly encourage demos and mock-ups of systems to be used as a basis of a lively and interactive discussion in the workshop.

**Topics of interests include, but are not limited to:**

User Interfaces

- Visual interfaces for recommender systems
- Explanation interfaces for recommender systems
- Collaborative multi-user interfaces (e.g., for group decision making)
- Spoken and natural language interfaces
- Trust-aware interfaces
- Social interfaces
- Context-aware interfaces



- Ubiquitous and mobile interfaces
- Conversational interfaces
- Example- and demonstration-based interfaces
- New approaches to designing interfaces for recommender systems
- User interfaces for decision making (e.g., decision strategies and user ratings)

#### Interaction, user modeling, and decision-making

- Cognitive Modeling for recommender systems
- Human-recommender interaction
- Controllability, transparency, and scrutability
- Decision theories and biases (e.g., priming, framing, and decoy effects)
- Detection and avoidance of decision biases (e.g., in item presentations)
- Preference detection (e.g., eye tracking for automated preference detection)
- The role of emotions in recommender systems (e.g., emotion-aware recommendation)
- Trust inspiring recommendation (e.g., explanation-aware recommendation)
- Argumentation and persuasive recommendation (e.g., argumentation-aware recommendation)
- Cultural differences (e.g., culture-aware recommendation)
- Mechanisms for effective group decision making (e.g., group recommendation heuristics)
- Decision theories for effective group decision making (e.g., hidden profile management)
- Voting Advice Applications

#### Evaluation

- Case studies
- Benchmarking platforms
- Empirical studies and evaluations of new interfaces
- Empirical studies and evaluations of new interaction designs
- Evaluation methods and metrics (e.g., evaluation questionnaire design)

#### **Submissions**

Submission site: <https://easychair.org/conferences/?conf=intrs2017>

We invite two kinds of submissions, which address novel interface issues in recommender systems:

- Short papers. The maximum length is 4 pages in the standard ACM SIG proceedings format.
- Long papers. The maximum length is 8 pages in the standard ACM SIG proceedings format.



Submitted papers will be evaluated according to their originality, technical content, style, clarity, and relevance to the workshop. For short papers we will encourage alternative modes of presentation such as demos, playing out of scenarios, mockups, and alternate media such as video. Demonstration sessions will provide the opportunity to show innovative interface designs for recommender systems.

Each paper will be reviewed by at least 3 independent referees. Accepted papers will be published in workshop proceedings on the CEUR-WS.org site. Note that at least one author of each accepted paper needs to register and attend the workshop.

### **Program committee (tbc)**

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Jaegul Choo, Korea University  
Marco de Gemmis, University of Bari "Aldo Moro"  
Gerhard Friedrich, Alpen-Adria-Universitaet Klagenfurt  
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