

RecSys'11 Workshop on Human Decision Making in Recommender Systems

*In conjunction with the
5th ACM Conference on Recommender Systems
(RecSys'11)
October 23-27, 2011, Chicago, IL, USA*

Call for Papers

DESCRIPTION

Interacting with a recommender system means to take different decisions such as selecting a song/movie from a recommendation list, selecting specific feature values (e.g., camera's size, zoom) as criteria, selecting feedback features to be critiqued in a critiquing based recommendation session, or selecting a repair proposal for inconsistent user preferences when interacting with a knowledge-based recommender. In all these scenarios, users have to solve a decision task.

The complexity of decision tasks, limited cognitive resources of users, and the tendency to keep the overall decision effort as low as possible leads to the phenomenon of bounded rationality, i.e., users are exploiting decision heuristics rather than trying to take an optimal decision. Furthermore, preferences of users will likely change throughout a recommendation sessions, i.e., preferences are constructed in a specific decision environment and users do not know their preferences beforehand.

Decision making under bounded rationality is a door opener for different types of non-conscious influences on the decision behavior of a user. Theories from decision psychology and cognitive psychology are trying to explain these influences, for example, decoy effects and defaults can trigger significant shifts in item selection probabilities; in group decision scenarios, the visibility of the preferences of other group members can have a significant impact on the final group decision.

The major goal of this workshop is to establish a platform for industry and academia to present and discuss new ideas and research results that are related to the topic of human decision making in recommender systems. We are specifically interested in the role of decision theories in advancing recommender systems research and applications.

Workshop Co-Chairs

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IMPORTANT DATES

Paper submission deadline: July 31st, 2011
Notification of acceptance: Aug 25th, 2011
Camera-ready version deadline: Sep 12th, 2011

TOPICS:

- Decision theories in recommender systems (e.g., priming, framing, and decoy effects)
- 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)
- 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)
- User interfaces for group decision making (e.g., group decision making in e-tourism)
- Decision theories for effective group decision making (e.g., hidden profile management)
- Detection and avoidance of decision biases (e.g., in item presentations)
- User interfaces for decision making (e.g., decision strategies and user ratings)
- Critiquing-based recommender systems
- Knowledge-based recommender systems
- Empirical studies
- Applications

SUBMISSION INFORMATION

Submit either a full paper of no more than 8 pages, or a short paper (at most 4 pages). Short papers may address an important problem for further research or describe a practical problem or an interesting lesson learned. In addition, we solicit proposals for short demonstrations (at most 4 pages, and software demonstrations taking at most 15 minutes), emphasizing the original contribution, functionality or conceptual foundation of the system.

All submissions will be handled electronically in PDF format. The submissions should follow the RecSys-2011 style guide (paper templates are provided in Microsoft Word and LaTeX on the conference website: <http://recsys.acm.org/2011/submission.shtml>).

Papers should be submitted via EasyChair submission system (<https://www.easychair.org/conferences/?conf=decisionsrecsys11>). If you have used EasyChair before, you may use your existing username and password. Otherwise please create a new EasyChair account.

Each submission is refereed by at least two members of the program committee. Refereeing criteria are relevance to workshop topics, significance and novelty of the research, technical content, discussion on relation to previous work and clarity of presentation. A contribution submitted as a long paper may be accepted as a short paper, if the program committee considers it to be inadequate for a long paper but to present an important issue.

At least one author of each accepted paper is required to attend the workshop to present the paper.

A special issue of the ACM Transactions on Interactive Intelligent Systems on the topic of this workshop is planned (<http://tiis.acm.org>).