
Gediminas Adomavicius
Dept. of Information and Decision Sciences
University of Minnesota
321 19th Avenue South
Minneapolis, MN 55455, USA
gedas@umn.edu

Francesco Ricci
Faculty of Computer Science
Free University of Bozen-Bolzano
Via Sernesi 1
I-39100 Bozen-Bolzano, Italy
fricci@unibz.it

Categories and Subject Descriptors
H.3.3 [Information Storage and Retrieval]: Information Search and Retrieval – Information filtering, Relevance feedback, Retrieval models, Search process, Selection process.

General Terms

Keywords
Recommender systems, context-aware systems, contextual information, context modeling.

1. WORKSHOP GOALS
The importance of contextual information has been recognized by researchers and practitioners in many disciplines, including e-commerce personalization, information retrieval, ubiquitous and mobile computing, data mining, marketing, and management. While a substantial amount of research has already been performed in the area of recommender systems, the vast majority of existing approaches focuses on recommending the most relevant items to users and does not take into account any additional contextual information, such as time, location, weather, or the company of other people. Therefore, this workshop aims to bring together researchers with wide-ranging backgrounds to identify important research questions, to exchange ideas from different research disciplines, and, more generally, to facilitate discussion and innovation in the area of context-aware recommender systems (CARS).

In particular, topics of interest for this workshop include (but are not limited to):
- Context modeling techniques for recommender systems;
- Context-aware user modeling for recommender systems;
- Data sets for context-dependent recommendations;
- Algorithms for detecting the relevance of contextual data;
- Algorithms for incorporating contextual information into recommendation process;
- Algorithms for building explicit dependencies between contextual features and ratings;
- Interacting with context-aware recommender systems;
- Novel applications for context-aware recommender systems;
- Large-scale context-aware recommender systems;
- Evaluation of context-aware recommender systems.

Additional information about the workshop, including the workshop dates, workshop program, workshop proceedings, and program committee, is provided at the workshop website.1

2. ACCEPTED PAPERS
The workshop has received twelve interesting submissions. Based on the review process, the following seven submissions have been accepted as full papers for presentation at the workshop:
- “Semantic Contextualisation in a News Recommender System” by Ivan Cantador and Pablo Castells;
- “Context and Customer Behavior in Recommendation” by Sabrina Lombardi, Sarabjot Anand, and Michele Gorgoglione;
- “Context-Dependent Items Generation in Collaborative Filtering” by Linas Baltrunas and Francesco Ricci;
- “Context-aware recommendations on rails” by Tim Hussein, Timm Linder, Werner Gaulke, and Jürgen Ziegler;
- “Using Contextual Information as Virtual Items on Top-N Recommender Systems” by Marcos A. Domingues, Alípio Mário Jorge, and Carlos Soares;
- “Using Common Sense in Providing Personalized Recommendations in the Tourism Domain” by Berardina De Carolis, Irene Mazzotta, Nicole Novielli, and Vincenzo Silvestri;

Also, several additional participants have been invited to submit 1-page extended abstracts about their research interests and projects related to context-aware recommender systems.

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1 http://ids.csom.umn.edu/faculty/gedas/cars2009/