

# User Interaction with Context-aware Recommender Systems on Smartphones

Wolfgang Wörndl<sup>1</sup>, Béatrice Lamche<sup>1</sup>

Fakultät für Informatik, Technische Universität München<sup>1</sup>

## Abstract

In this article we give an overview on selected aspects of user interaction with context-aware recommender systems on smartphones. We discuss these according to the three steps of user interaction with recommender systems using subjective and objective evaluation criteria: 1. Preference elicitation: how input methods on mobile devices can influence the users' rating behavior, 2. Result delivery and presentation: how results can be adapted to the mobile context, 3. Feedback, critiquing and refinement: how interactive explanation can improve the user experience. The selection of examples is based on several studies we did in different mobile scenarios.

*The paper is published in:*

*icom - Journal for Interactive Media, Vol. 14, Issue 1, DeGruyter Oldenbourg, 2015*

*<http://www.degruyter.com/view/j/icom.2015.14.issue-1/icom-2015-0007/icom-2015-0007.xml>*

*A pre-print PDF is available for download at:*

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## Contact Information

Technische Universität München

Informatik XI

Boltzmannstr, 3

D-85748 Garching

Email: {woerndl,lamche}@in.tum.de