



Proceedings of the

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3rd Workshop on New Trends in Content-based Recommender Systems

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Preface

While content-based recommendation has been applied successfully in many different domains, it has not seen the same level of attention as collaborative filtering techniques have. In recent years, competitions like the Netflix Prize, CAMRA, and the Yahoo! Music KDD Cup 2011 have spurred on advances in collaborative filtering and how to utilize ratings and usage data. However, there are many domains where content and metadata play a key role, either *in addition to* or *instead of* ratings and implicit usage data. For some domains, such as movies, the relationship between content and usage data has seen thorough investigation already, but for many other domains, such as books, news, scientific articles, and Web pages we do not know *if* and *how* these data sources should be combined to provide the best recommendation performance.

The CBRecSys workshop series aims to address this by providing a dedicated venue for papers dedicated to all aspects of content-based recommendation. The first edition in Silicon Valley in 2014, and the second one in Vienna were a big success.

For the third edition, CBRecSys 2016, we once again issued a call for papers asking for submissions of novel research papers addressing recommendation in domains where textual content is abundant (e.g., books, news, scientific articles, jobs, educational resources, Web pages, etc.) as well as dedicated comparisons of content-based techniques with collaborative filtering in different domains. Other relevant topics included opinion mining for text/book recommendation, semantic recommendation, content-based recommendation to alleviate cold-start problems, deep learning for content representation, as well as serendipity, diversity and cross-domain recommendation.

Each submission was reviewed by three members of the program committee consisting of experts in the field of recommender systems and information retrieval. We selected 9 papers from the 14 submissions for presentation at the workshop.

We are also happy to have Prof. Barry Smyth of the University College Dublin and Prof. Bamshad Mobasher of the DePaul University as keynote speakers.

We thank all PC members, our keynote speakers, as well as authors of accepted papers for making CBRecSys 2016 possible. We hope you will enjoy the workshop!

Toine Bogers, Pasquale Lops, Marijn Koolen, Cataldo Musto, Giovanni Semeraro

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Table of Contents

Invited presentations

From Reviews to Recommendations

Barry Smyth 1

Context v. Content: The Role of Semantic and Social Knowledge in Context-aware Recommendation

Bamshad Mobasher 2

Accepted papers

Combining Content-based and Collaborative Filtering for Personalized Sports News Recommendations

Philip Lenhart, Daniel Herzog 3

News Article Position Recommendation Based on The Analysis of Article's Content - Time Matters

Parisa Lak, Ceni Babaoglu, Ayse Basar Bener, Pawel Pralat 11

Using Visual Features and Latent Factors for Movie Recommendation

Yashar Deldjoo, Mehdi Elahi, Paolo Cremonesi 15

Recommending Items with Conditions Enhancing User Experiences Based on Sentiment Analysis of Reviews

Konstantin Bauman, Bing Liu, Alexander Tuzhilin 19

RDF Graph Embeddings for Content-based Recommender Systems

Jessica Rosati, Petar Ristoski, Tommaso Di Noia, Renato De Leone, Heiko Paulheim 23

ReDyAI: A Dynamic Recommendation Algorithm based on Linked Data

Iacopo Vagliano, Cristhian Figueroa, Oscar Rodríguez Rocha, Marco Torchiano, Catherine Faron-Zucker, Maurizio Morisio 31

Quote Recommendation for Dialogs and Writings

Yeonchan Ahn, Hanbit Lee, Heesik Jeon, Seungdo Ha, Sang-Goo Lee 39

Learning-to-Rank in Research Paper CBF Recommendation: Leveraging Irrelevant Papers

Anas Alzoghbi, Victor A. Arrascue Ayala, Peter M. Fischer, Georg Lausen 43

Recurrent Neural Networks for Customer Purchase Prediction on Twitter

Mandy Korpusik, Shigeyuki Sakaki, Francine Chen, Yan-Ying Chen 47