

Marcin Detyniecki
Joemon M. Jose
Andreas Nürnberger
C.J. van Rijsbergen (Eds.)

Adaptive Multimedia Retrieval: User, Context, and Feedback

Third International Workshop, AMR 2005
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Revised Selected Papers

Volume Editors

Marcin Detyniecki
Laboratoire d'Informatique de Paris 6, LIP6
8 rue du Capitaine Scott, 75015 Paris, France
E-mail: Marcin.Detyniecki@lip6.fr

Joemon M. Jose
C.J. van Rijsbergen
University of Glasgow
Department of Computing Science
University Avenue, Glasgow G12 8QQ, UK
E-mail: {jj,keith}@dcs.gla.ac.uk

Andreas Nürnberger
Otto-von-Guericke Universität Magdeburg
Fakultät für Informatik
Universitätsplatz 2, 39106 Magdeburg, Germany
E-mail: nuernb@iws.cs.uni-magdeburg.de

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Preface

This book is an extended collection of revised contributions that were initially submitted to the International Workshop on Adaptive Multimedia Retrieval (AMR 2005). This workshop was organized during July 28-29, 2005, at the University of Glasgow, UK, as part of an information retrieval research festival and in co-location with the 19th International Joint Conference on Artificial Intelligence (IJCAI 2005). AMR 2005 was the third and so far the biggest event of the series of workshops that started in 2003 with a workshop during the 26th German Conference on Artificial Intelligence (KI 2003) and continued in 2004 as part of the 16th European Conference on Artificial Intelligence (ECAI 2004).

The workshop focussed especially on intelligent methods to analyze and structure multimedia collections, with particular attention on methods that are able to support the user in the search process, e.g., by providing additional user- and context-adapted information about the search results as well as the data collection itself and especially by adapting the retrieval tool to the user's needs and interests. The invited contributions presented in the first section of this book—"Putting the User in the Loop: Visual Resource Discovery" from Stefan Rüger, "Using Relevance Feedback to Bridge the Semantic Gap" from Ebroul Izquierdo and Divna Djordjevic, and "Leveraging Context for Adaptive Multimedia Retrieval: A Matter of Control" from Gary Marchionini—illustrate these core topics: user, context and feedback. These aspects are discussed from different points of view in the 18 contributions that are classified into six main chapters, following rather closely the workshop's sessions: ranking, systems, spatio-temporal relations, using feedback, using context and meta-data. We think that this book provides a good and conclusive overview of the current research in this area.

We would like to thank all members of the Program Committee for supporting us in the reviewing process, the workshop participants for their willingness to revise and extend their papers for this book and Alfred Hofmann from Springer for his support in publishing this book.

October 2005

Marcin Detyniecki, Paris, France
Joemon M. Jose, Glasgow, UK
Andreas Nürnberger, Magdeburg, Germany
Keith van Rijsbergen, Glasgow, UK

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Dublin City University, Ireland

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