

ACM SIGIR 2001 WORKSHOP

ON

MATHEMATICAL/FORMAL METHODS IN INFORMATION RETRIEVAL

MF/IR 2001

New Orleans, Louisiana, U.S.A.
September 13, 2001

OBJECTIVE

The previous workshop (ACM SIGIR 2000 MF/IR 2000 Workshop, Athens, Greece) showed that the mathematical/formal results achieved in Information Retrieval (IR) could be organized into a coherent theoretical framework, that they brought new knowledge to IR, and that mathematical/formal research in IR can stand as a specialized research area of IR.

The purpose of the MF/IR 2001 workshop is, on the one hand, to continue and enhance the results obtained so far, and on the other hand, to present, discuss, analyze, integrate the newer/newest results. Therefore MF/IR 2001 aims at promoting discussion and interaction among those with theoretical and applicative research interests in mathematical/formal aspects of Information Retrieval, and also at being a forum for the presentation of both theoretical and applicative results (e.g., foundational issues; description and/or integration of models; retrieval applications; mathematical/formal techniques, properties and structures in IR; existing and/or new theories and theoretical aspects).

TOPICS OF INTEREST

Contributions (papers, talks) are solicited dealing with, but not limited to, the following areas:

Information Retrieval
Information Filtering

Information Mining
Indexing and Retrieval
Hypermedia
World Wide Web Retrieval
Digital Libraries
Evaluation
Human Computer Interaction
User Modeling

where the different entities involved (e.g., documents, queries, indexing, retrieval, relevance, effectiveness, users, etc.) are modeled using any of, but not necessarily limited to, the following approaches:

Classical Sets
Fuzzy Sets
Rough Sets
Vectors
Linear Space
Similarity Functions
Probability
Functional Analysis
Algebra
Topology
Metric Spaces
Boolean Logic
Non-standard Logics
Fuzzy Logic
Quantum Logic
Matroid Theory
Graph Theory
Theory of Computation
Recursion Theory
Information Theory
Artificial Intelligence

WORKSHOP CHAIRS

- Sandor Dominich (University of Veszprem, Hungary; Buckinghamshire Chilterns University College, U.K.)
- Mounia Lalmas (Queen Mary, University of London, England, U.K.)
- Keith van Rijsbergen (University of Glasgow, Scotland, U.K.)

PROGRAM COMMITTEE

- Peter Bollmann-Sdorra (Technische Universitat Berlin, Germany)
- Peter Bruza (Distr. Sys. Tech. Centre, Queensland, Australia)
- Steven Cater (Kettering University, U.S.A.)
- Leo Egghe (Limburgs Universitair Centrum, Belgium)
- Norbert Fuhr (University of Dortmund, Germany)
- Michael Heine (University of Northumbria, U.K.)
- Eduard Hoenkamp (University of Nijmegen, the Netherlands)
- Theo Huibers (KPMG Bus. Adv. Serv., the Netherlands)
- Donald H. Kraft (Louisiana State University, Baton Rouge, U.S.A.)
- David Losada (University of Corunna, Spain)
- Jian-Yun Nie (University of Montreal, Canada)
- Gabriella Pasi (ITIM-CNR, Milan, Italy)
- Janet Payne (Buckinghamshire Chilterns University College, U.K.)
- Vijay Raghavan (University of Louisiana at Lafayette, U.S.A.)
- Padmini Srinivasan (University of Iowa, U.S.A.)
- Michael Wong (University of Regina, Canada)

PARTICIPATION

Those interested in making a presentation should submit their papers of at most 8 (eight) normal pages by e-mail to the following email address

dominich@dcs.vein.hu

using "MF/IR 2001 Submission" as the e-mail subject line. Please submit the paper in Microsoft Word. Those interested in giving a talk (without paper submission) should submit the title and summary of at most 1 (one) page to the same address. The format for the paper submission should follow a usual format in IR publishing. All submissions will be refereed. All accepted submissions will be made available in a printed (special issue of Technology Letters) and/or electronic proceedings. It is planned that a selected number of accepted submissions, once expanded and revised, will be included in a special topic volume published by Kluwer Academic Publishers.

CORRESPONDENCE

Direct correspondence, inquires and submissions relating to this workshop should be addressed to:

Sandor Dominich, e-mail: *dominich@dcs.vein.hu* or *sdomin01@bcuc.ac.uk*

IMPORTANT DATES

Submission (paper, summary):	June 10, 2001
Notification of acceptance:	June 30, 2001
Final submission:	July 15, 2001
Workshop:	September 13, 2001

FURTHER INFORMATION

Further information can be found on the SIGIR 2001 Web pages (<http://www2.sis.pitt.edu/~sigir01>).