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Advances in Multimedia Information Systems

11th International Workshop, MIS 2005
Sorrento, Italy, September 19-21, 2005
Proceedings

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Preface

This volume collects the proceedings of the 11th International Workshop on Multimedia Information Systems, MIS 2005, which was held during September 19–21, 2005 in the beautiful town of Sorrento, Italy.

The MIS series of workshops started in 1995 with the aim of fostering interdisciplinary discussions and research in all aspects of multimedia information systems, in all their diversity. Since then, in MIS workshops, issues ranging from fundamental multimedia information management research to advanced applications in multimedia systems related fields have been discussed, new systems have been reported, and the lessons learned have provided new insights into this dynamic and exciting area of computer science and engineering.

As the program chairs of the MIS 2005 workshop, we note that while designing an effective multimedia system, two complementary issues have to be taken into account: (a) the need to use appropriate technologies in acquiring, processing, and delivering multimedia data which manifest themselves under very different shapes; and (b) the need for modeling, indexing, querying, retrieving, mining, and visualizing data under different system and device capabilities, for different users. Therefore, besides the development of more traditional content management technologies, there are emerging needs to gather media from sensing devices in the environmental context, for informed processing of media based on the current task and resources, and for making the results available to the user in the most suitable form based on the capabilities and preferences of the user.

For this edition of MIS, we selected 15 high-quality papers, out of 30 submissions, which address different aspects of multimedia information management in context. These papers address topics related to multimedia databases, multimodal interaction, video and audio applications, multimedia performances, and context-aware modeling, communication, and retrieval of different types of data.

The MIS 2005 program also included two invited talks, by Prof. Peter Buneman from the University of Edinburgh and Prof. Letizia Tanca from the Politecnico di Milano, who discussed fundamental issues spanning two diverse data management contexts: large, complex, archival information systems on the one side, and open, dynamic, ubiquitous environments on the other. Prof. Latifur Khan, from the University of Texas at Dallas, presented a half-day tutorial on data annotation for enriched semantic treatment of multimedia data, a prerequisite for informed handling of media in different semantic contexts.

We thank the authors, the speakers, the Program Committee members, the external reviewers, and the local organizers for making this workshop a success.

Organization

The local organization of MIS 2005 was supported by the University of Napoli “Federico II” and the University of Salerno.

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