

Preface

Interactive Distributed Multimedia Systems (IDMS) and Protocols for Multimedia Systems (PROMS) have been two successful series of international events bringing together researchers, developers, and practitioners from academia and industry in all areas of multimedia systems. In 2002, for the first time, these two workshops were held jointly, in what we hope was the first of a new series of challenging and topical international workshops.

IDMS/PROMS 2002 contributed to scientific, strategic, and practical advances in the area of distributed multimedia applications, protocols, and intelligent management tools, with emphasis on their provision over broadband networks. Along with tutorials, regular papers and technical demonstrations, IDMS/PROMS 2002 resulted in high-quality original work.

The areas of interest of IDMS/PROMS cover mobile multimedia systems, multimedia middleware, multimedia communication protocols, quality-of-service issues, resource management, next-generation Internet, active and programmable networking for multimedia applications, multimedia-specific mobile agents, multimedia distribution and transport, multimedia traffic engineering, multimedia encoding and compression, ubiquitous computing, multimedia applications, development tools for distributed multimedia applications, performance of protocols and applications, multimedia content management, service access, accounting and tariff policing for multimedia teleservices, and standards (e.g., MPEG) and related issues.

The IDMS/PROMS 2002 call for papers attracted 112 submissions from Asian, Australian, European, North American, and South American countries. These were subject to thorough review work by the Program Committee members and additional reviewers who carried out their work using a specially built conference system, WebChairing, developed in Coimbra by Flor de Utopia, which allowed full control of the submission and reviewing processes.

A high-quality selection of 30 full papers organized in 9 single-track sessions made up the IDMS/PROMS 2002 main technical program, which included topics such as performance of protocols and applications, mobile multimedia systems, standards and related issues, quality-of-service issues, video systems and applications, resource management, and multimedia support. This was complemented by one invited keynote talk by Andrew T. Campbell, from Columbia University, USA, who opened the workshop with a presentation on wireless IP.

In addition to the main technical program, the day preceding the workshop was dedicated to four excellent tutorials on Internet Multimedia Streaming, Internet Middleware, IP Network Monitoring and Measurements, and Media Representation Standards for the New Millennium, respectively, given by Henning Schulzrinne (Columbia University, USA), Mikhail Smirnow (Fraunhofer FOKUS, Germany), Philippe Owezarski (LAAS-CNRS, France), and Fernando Pereira (IST, Portugal).

We wish to record our appreciation of the efforts of many people in bringing about the IDMS/PROMS 2002 workshop: to all the authors who submitted their papers to the workshop, we regret that it was not possible to accept more papers; to the Program Committee and to all associated reviewers; to our sponsors and supporting institutions; and to ESEC for the multimedia coverage of the workshop. Finally, we would like to thank all the people who helped us at the University of Coimbra, namely Jorge Sá Silva, Paulo Simões, Marília Oliveira, João Cunha, João Sá Marta, and all the volunteers from the Laboratory of Communications and Telematics.

September 2002

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