

# **Management of Multimedia Networks and Services**

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IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of information technology for the benefit of all people.

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- the IFIP World Computer Congress, held every second year;
- open conferences;
- working conferences.

The flagship event is the IFIP World Computer Congress, at which both invited and contributed papers are presented. Contributed papers are rigorously refereed and the rejection rate is high.

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# Management of Multimedia Networks and Services

IFIP / IEEE TC6 / WG6.4 / WG6.6 International  
Conference on Management of Multimedia  
Networks and Services  
8-10 July 1997, Montreal, Canada

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SPRINGER INTERNATIONAL PUBLISHING, CHAM

First edition 1998

© 1998 IFIP International Federation for Information Processing

Originally published by Chapman & Hall in 1998

Softcover reprint of the hardcover 1st edition 1998

Thomson Science is a division of International Thomson Publishing


ISBN 978-1-5041-2879-7 ISBN 978-0-387-35318-0 (eBook)

DOI 10.1007/978-0-387-35318-0

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A catalogue record for this book is available from the British Library

 Printed on permanent acid-free text paper, manufactured in accordance with ANSI/NISO Z39.48-1992 (Permanence of Paper).

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# Preface

## Welcome to MMNS'97 !

Today, the trend is towards providing telecommunications services and in particular multimedia services in the emerging broadband, multimedia and "super-highway" era. To offer reliable multimedia services, the service architecture should integrate the service with its management while the multimedia networks that are used to provide those services need also a certain level of control and management. Therefore management is requested at both the service and network levels. Integration is also of paramount importance to facilitate the overall management process.

The objective of the First International Conference on Management of Multimedia Networks and Services (MMNS) is to bring together researchers working in all facets of network and service management applied to broadband networks and multimedia services. MMNS'97 will serve as a forum for the dissemination of state-of-the-art research, design, development, and implementation experiences.

The MMNS'97 invited program is made up of a keynote address and two invited talks. The keynote address is by Alberto Leon Garcia (University of Toronto, Canada) on the suitability of ATM as the basis for programmable networks entitled "*Can ATM serve as the basis for programmable networks?*". The first invited talk is by J. William Atwood (Concordia University, Canada) on generic and networks management protocols and the use of formal specification for their validation entitled "*Generic Protocols, Network Management and Formal Specification*". The second invited talk is by Daniel Komitzer (General Datacom, Multimedia R&D Center, Canada) on a multipoint network architecture that enables the deployment of a wide spectrum of multimedia applications over ATM/TDM networks entitled "*Multipoint Multimedia in Hybrid ATM/TDM Networks*".

The MMNS'97 invited program is complemented by a strong technical program that includes nineteen long papers and four short papers. The quality of the papers are excellent and we have a very strong technical program that falls into seven sessions: Telecommunications Services Creation and Management, Quality of Service Management, New Technologies for Network and Service Management, ATM Call Admission/Congestion Control, ATM Architecture & IP Applications, Pricing and Fault Management and Trials, Case Studies and Experience Reports.

We would like to thank the Program Committee for all the efforts in making this a successful conference, the Centre de recherche informatique de Montréal (CRIM) for hosting the conference and the Local Organization Committee for all their hard work. We wish to extend our gratitude to the authors of the technical papers, without whom this conference would not have been possible.

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