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High Speed Networks and Multimedia Communications

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Proceedings

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Preface

Nowadays, networks and telecommunications are two of the most active fields. Research and development in these areas have been going on for some time, reaching the stage of products. The objectives of HSNMC 2004 (International Conference on High Speed Networks and Multimedia Communications) were to promote research and development activities and to encourage communication between academic researchers and engineers throughout the world in the areas related to high-speed networks and multimedia communications.

The seventh edition of HSNMC was held in Toulouse, France, on June 30–July 2, 2004. There were 266 submissions to HSNMC this year from 34 countries, which were evaluated by program committee members assisted by external reviewers. Each paper was reviewed by several reviewers. One hundred and one papers were selected to be included in these proceedings. The quality of submissions was high, and the committee had to decline some papers worthy for publication.

The papers selected in this book illustrate the state of the art, current discussions, and development trends in the areas of networks, telecommunication and multimedia applications. The contributions published in this book underline the international importance of the related field of research. They cover a variety of topics, such as QoS in DiffServ networks, QoS analysis and measurement, performance modelling, TCP modelling and analysis, MPLS for QoS provision, scheduling and resource allocation, routing, multicast, security and privacy issues, peer-to-peer applications, video applications, software and middleware for networks, mobile networks, mobility, satellite, mobile IP, wireless networks, WLAN, ad hoc networks, 3G/UMTS, IEEE 802.11, optical networks, opto-VLSI, hardware for communications/networks, and WDM.

We heartily thank the program committee, and the external reviewers, for their efforts and hard work. Without their support, the program organization of this conference would not have been possible. We would like to thank all the authors for their paper submission, as well as Springer-Verlag for the good cooperation during the preparation of the manuscript. We are also indebted to many individuals and organizations that made this conference possible: Paul Sabatier University, IEEE and IEE. Finally, many thanks to the local organizers, and all the other people who helped with the conference organization.

June 2004

Zoubir Mammeri
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