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Preface

This was the first conference jointly organized by the IFIP Working Groups 6.2, 6.3, and 6.4. Each of these three Working Groups has its own established series of conferences. Working Group 6.2 sponsors the *Broadband Communications* series of conferences (Paris 1995, Montreal 1996, Lisboa 1997, Stuttgart 1998, and Hong-Kong 1999). Working Group 6.3 sponsors the *Performance of Communication Systems* series of conferences (Paris 1981, Zürich 1984, Rio de Janeiro 1987, Barcelona 1990, Raleigh 1993, Istanbul 1995, and Lund 1998). Working Group 6.4 sponsors the *High Performance Networking* series of conferences (Aaren 1987, Liège 1988, Berlin 1990, Liège 1992, Grenoble 1994, Palma 1995, New York 1997, Vienna 1998). It is expected that this new joint conference will take place every two years.

In view of the three sponsoring Working Groups, there were three separate tracks, one per Working Group. Each track was handled by a different co-chairman. Specifically, the track of Working Group 6.2 was handled by Ulf Körner, the track of Working Group 6.3 was handled by Ioanis Stavrakakis, and the track of Working Group 6.4 was handled by Serge Fdida. The overall program committee chairman was Harry Perros, and the general conference chairman was Guy Pujolle.

A total of 209 papers were submitted to the conference of which 82 were accepted. Each paper was submitted to one of the three tracks. Papers within each track were reviewed separately, and the decision as to which papers to accept was taken separately within each track. For presentation purposes, most of the sessions in the final program were made up by mixing papers from the three tracks.

The program covers a variety of research topics which are of current interest, such as wireless networks, optical networks, switching architectures, residential access networks, signaling, voice and video modelling, congestion control, call admission control, QoS, TCP/IP over ATM, interworking of IP and ATM, internet protocols, differentiated services, routing, multicasting, real-time traffic management, resource management and allocation, and performance modelling.

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We would like to thank the program committee members and the referees. Without their dedication and hard work this conference would not have materialized. We are also indebted to our two web masters Costas Tsibanis and Dimitris Koutoulas (with special thanks to Costas) at the Network Operation Center of the University of Athens, for setting-up and managing the conference's web site.

March 2000

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