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Data Communication Systems and Their Performance

edited by
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PREFACE

As a result of the continuing integration of computer and communication services, the use of data communication systems in local, metropolitan, nationwide and worldwide networks will become, in the near future, as available and as cost-effective as voice communication is today. This fact implies that it is in the interest of everyone concerned with the use of data communication systems to be able to answer questions about their performance – if possible, before these systems are brought into operation. The purpose of this conference was to provide a forum for professionals in the fields of data communications systems and performance evaluation to debate and exchange information.

Every effort was made to set up a strong technical programme. The papers reflect a mixture of both theory and practice . There is a total of thirty-six papers, divided into twelve sessions. They have been chosen from many good submitted contributions and the selection process was based upon originality and relevance to the conference. In an attempt to solicit participants from industry, we also planned the presentation of a panel session focussed on the subject of proprietary vs. standard communication architectures.

The success of a conference is the result of a team effort. We would like to express our gratitude to all the people involved in the organization of the event. In particular, to the authors of the technical papers, technical reviewers, session chairmen and the program and organizing committee members. We especially thank Professor Guy Pujolle for supporting the idea of having this conference held in Rio. A debt of gratitude is owed to Professor Celso C. Ribeiro for making available the facilities of the EE Dept. at PUC/RJ. H.R. Gail, from IBM Yorktown Heights, J.R.B. de Marca, from PUC/RJ and Paulo A. Rodrigues, from NCE/UFRJ, have also been very helpful in the organization process. We thank all of them for their efforts. We also thank PontifíciaUniversidade Católica do Rio de Janeiro, the Ecole Nationale Supérieure des Télécommunications and the Université Pierre et Marie Curie (Paris VI), for their organizational help. In addition, we thank IFIP (TC 6 and TC 7), the IEEE Technical Group on Computer Communications and the ITC for their sponsorship to the conference. Finally, we are indebted to CNPq (the Brazilian National Re-

search Council) and IBM Brazil for their support and for providing us with the means necessary to make this event a reality.

L.F.M. de Moraes
E. de Souza e Silva
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June 1987

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