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A. Bensoussan and J. L. Lions



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FOREWORD

This volume contains most of the 76 papers presented during the Seventh International Conference on Analysis and Optimization of Systems organized by the Institut National de Recherche en Informatique et en Automatique. Papers were presented by speakers coming from 21 different countries. These papers deal with both theoretical and practical aspects of Analysis and Optimization of Systems. Most of the topics of System Theory have been covered and five invited speakers of international reputation have presented the new trends of the field.

We would like to express our thanks to the Organizations which have given their sponsorship to this meeting AFCET, IEEE (CSS), IFAC, INSERM, SEE and IIASA.

We also would like to extend our gratitude to :

- the authors who have shown their interest in this Conference,
- the many referees who have accepted the difficult task of selecting papers,
- the chairpersons for having run with energy and efficiency the different sessions,
- our colleagues of the Organization Committee,
- the scientific secretaries,
- the staff of the Public Relations Department for difficult but successful job they have carried out in the organization of the Conference,
- Professor M. THOMA who has accepted to publish these proceedings in the Lecture Notes in Control and Information Sciences, and to the Publisher SPRINGER VERLAG.



A. BENSOUSSAN



J.L. LIONS

PREFACE

Ce volume contient la presque totalité des textes des 76 communications présentées lors de la Septième Conférence Internationale sur l'Analyse et l'Optimisation des Systèmes, organisée par l'Institut National de Recherche en Informatique et en Automatique. Ces communications, invitées ou, pour la plupart soumises, émanent de 21 pays différents et traitent aussi bien des aspects théoriques que pratiques de l'Analyse et de l'Optimisation des Systèmes. La plupart des sujets de la Théorie des Systèmes ont été abordés et cinq conférenciers invités de réputation mondiale ont présenté les plus récentes tendances du domaine.

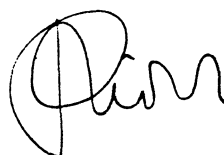
Nous tenons à remercier les organismes qui ont accepté d'accorder leur patronage à cette manifestation, l'AFCT, l'IEEE (CSS), l'IFAC, l'INSERM, la SEE et l'IIASA.

Nos remerciements s'adressent également :

- aux auteurs qui ont manifesté leur intérêt pour cette Conférence,
- aux nombreux experts qui ont accepté la difficile tâche de sélectionner les communications,
- aux présidents de sessions qui ont accepté d'animer les débats,
- à nos collègues du Comité d'Organisation,
- aux secrétaires scientifiques,
- au Service des Relations Extérieures qui a organisé cette Conférence,
- à Monsieur le Professeur M. THOMA pour avoir accepté la publication de ce volume dans la série qu'il dirige, ainsi qu'à l'éditeur SPRINGER VERLAG.



A. BENSOUSSAN



J.L. LIONS

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