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Witold Litwin
Institut National de Recherche en Informatique
et en Automatique (INRIA), Domaine de Voluceau – Rocquencourt
B.P. 105, F-78153 Le Chesnay Cedex, France

Hans-Jörg Schek
Institut für Informationssysteme, ETH Zürich
ETH Zentrum, CH-8092 Zürich, Switzerland

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Preface

New applications such as image processing, graphics, geographic data processing, robotics, office automation, information systems, language translation, and expert systems have developed various data organizations and algorithms specific to the application requirements. The growing importance of these applications has created a need for general studies on data organization and algorithms as well as for specific studies on new database management systems and on filing services. The main goal of this conference was to examine advances in techniques of permanent and temporary data organization in different fields of computer science by sharing experience and knowledge. Four well-known experts A. Colmerauer, L. Davis, R. Piloty and M. Rabin were invited to address the key issues in their fields.

The Program Committee received 89 submissions from Europe, America, Asia and Australia. Each submission was reviewed by four PC members and sometimes by external referees. After laborious deliberations, 27 articles were selected for full presentation and we asked 8 authors for short communications. In addition to the four invited talks, the conference program included the panel on data organizations for logic programming, chaired by M. Freeston (ECRC, FRG). The conference was opened by A. Bensoussan, the President of INRIA. Two advanced and extensive tutorials preceded the conference: on spatial data bases, by H. Samet from the University of Maryland (USA) and on neural information processing, by H. Tirri from the University of Helsinki (Finland).

The Program Committee of Fodo-89 was co-chaired by W. Litwin (INRIA France) and H.J. Schek (ETH, Switzerland). The members were:

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We would like to give our thanks to all Program Committee members as well as to all the reviewers for their care in evaluating the submitted papers.

We are particularly pleased to thank C. Delobel, the Conference Chairman, for giving us the opportunity to design the FODO-89 program and for his aid whenever we need it.
We also acknowledge the great help of the International Organization Committee: S. Ghosh (IBM Research, San Jose, USA) Chairman, Y. Kambayashi (University of Kyushu, Japan) Asian coordinator, V. Lum (Naval Postgraduate School, USA) American coordinator. The same gratitude concerns the Local Organization Committee at INRIA: Th. Bricheteau, S. Abiteboul and M. Scholl. Furthermore, we would like to thank our Conference Secretariat: M. Chazal, S. Gosset, as well as all other members of the Department of External Relations at INRIA who helped us to set up the Conference. Finally, we thank our sponsors.

Previous FODO conferences were held in 1981 in Warsaw, and in 1985 in Kyoto. FODO-89 is being held in Paris, in the Ministry of Research and Technology building. This building is at the medieval site of Montagne Ste Geneviève in the middle of the Latin Quarter. It is the former historical site of the well-known French Ecole Polytechnique, founded in 1794. Many top French scientists originate from these walls. It is also worth noting that the place is located at Descartes street. We thank the French Ministry of Research and Technology for the unique opportunity to enjoy the stimulating and relaxing atmosphere of this exceptional setting.

Paris, June 1989

Witold LITWIN Hans-Jörg SCHEK

Program Committee co-Chairmen

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