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1st International Conference
Athens, Greece, June 8–12, 1987
Proceedings



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PREFACE

We were very honored to host the 1st **International Conference on Supercomputing** in Athens, Greece, which took place June 8–12, 1987, at the Ledra Marriott Hotel. The conference was organized and sponsored by the Computer Technology Institute (C.T.I.) of Greece, with funding provided by the Ministry of Industry, Energy, and Technology, and the Ministry of Culture and Sciences of Greece. Support was also received from the SIGARCH of the ACM. Cooperating organizations included the Center for Supercomputing Research and Development of the University of Illinois, EATCS, IFIP WG 2.5 on Mathematical Software, the Purdue Center for Vector and Parallel Processing, and the SIAM SG on Supercomputing. The purpose of this conference was to bring together researchers from universities, industrial laboratories, and other research institutions with common interests in architectures and hardware technology, software, and applications for supercomputers.

The conference attracted more than 150 participants from around the world. Authors from 12 countries submitted 107 papers, from which 52 were accepted and presented at the conference. In addition, 15 distinguished researchers presented invited papers. The papers from these presentations make up the current proceedings volume. Based on the quality of the papers presented and the response and excitement of the participants, the Program Committee has decided to hold annual meetings on the subject of supercomputing which will be sponsored by ACM SIGARCH.

The organization of this conference was the result of tireless efforts by various individuals. Notable among them are the members of the Program Committee and the Local Arrangement Committee. Exceptionally helpful were Mr. C. Manolopoulos, Mrs. A. Cotronis, Mrs. R. Efstathiadou, Mrs. H. Gourdoupis and Mrs. M. Halakatevakis of the Local Arrangements Committee. The secretarial support of Connie Heer from Purdue University and administrative support of G. Stathakis and G. Voulgaris from C.T.I. is also very much appreciated. Finally we wish to thank the General Secretariat of Research and Technology, the ACM SIGARCH, and Olympic Airways, for their support.

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