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Proceedings

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PREFACE

The AAECC conferences began in Toulouse in 1983. The proceedings of AAECC-1 were published as a special issue of Discrete Mathematics. The proceedings of AAECC-2 are also published by Springer-Verlag as a volume in the Lecture Notes in Computer Science series. This third conference was organized by the "Laboratoire d'Informatique Fondamentale et d'Intelligence Artificielle" (LIFIA) in Grenoble on July 15-19, 1985. It was held in the building of the "Ecole Nationale Supérieure d'Ingénieurs en Informatique et Mathématiques Appliquées" of the National Polytechnic Institute of Grenoble.

The main motivation for this series of conferences was to gather researchers in error-correcting codes, applied algebra and algebraic algorithms. The latter topic has been extended to computer algebra in general. Applied algebra must be understood as applied to computer science. After three conferences, it appears that they fill a communication gap. It is thus natural that the AAECC conferences are going to be held annually in different countries. For this reason, a permanent organizing committee has been set up. It consists of: Thomas Beth, Jacques Calmet, Anthony C. Hearn, Joos Heintz, Hideki Imai, Heinz Lüneburg, H.F. Mattson Jr. and Alain Poli. The next conferences will be held in Karlsruhe (1986), Barcelona (1987), Pisa or Roma (1988), Toulouse (1989) and Yokohama (1990).

I am very grateful to the following institutions and organizations for their generous funding of the conference:

. DRET (Direction des Recherches, Etudes et Techniques du Ministère de la Défense)
. CNRS (Centre National de la Recherche Scientifique)
. SMF (Société Mathématique de France)
. INPG (Institut National Polytechnique de Grenoble)
. Mairie de Grenoble
. Conseil Général de l'Isère.

No conference is successful without many people contributing their time and efforts in its preparation. The referees did an excellent job in reading and evaluating many papers in a very short amount of time, both before and after the meeting was held. The session chairpersons were very efficient in keeping the conference on tracks. A special thanks is deserved by Alain Poli who made available to me his experience of organizing the previous AAECC conferences.
The local organization ran smoothly because of the help of Ph. Chatelin. Isabelle Michel has been a very efficient and pleasant conference secretary. G. Veillon, the ENSIMAG director, provided us with all the help we required. I extend my warmest thanks to all of them.

Jacques Calmet
May 1986

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