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Third International Conference
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Foreword

This volume contains the proceedings of the Third International Conference on Algebraic and Logic Programming, held near Pisa (Italy) on September 2-4, 1992.

This conference is the third of a biennial series which aims at strengthening the connections between algebraic techniques and logic programming. On one hand, logic programming has been very successful during the last decades and the emergence of constraint logic programming is yet increasing its expressive power and efficiency. On the other hand, concepts like functions, equality theory and modularity are particularly well handled in an algebraic framework. This conference represents a step towards improving contacts, promoting cross-fertilization between the two areas and developing common foundations and culture. As during the two previous conferences, in Gaußig (Germany) in November 1988, and in Nancy (France) in October 1990, participants from both areas can there exchange ideas, results and experiences.

The program committee has selected 26 contributions to the following topics:

- Semantics of algebraic and logic programming
- Integration of functional and logic programming
- Term rewriting, narrowing, resolution
- Constraint logic programming and constraint theorem proving
- Concurrent features in algebraic and logic programming languages.

The scientific program included also system demonstrations and three invited lectures by Hassan Aït-Kaci, Michael Maher and José Meseguer. The corresponding abstracts or papers are included in this volume.

We would like to thank all the members of the program committee and all the referees for their care in reviewing and selecting the submitted papers.

The organization of the conference was supported by:

- Cassa di Risparmio di Volterra,
- Consiglio Nazionale delle Ricerche,
- Centre de Recherche en Informatique de Nancy,
- INRIA-Lorraine,
- Hewlett-Packard Italia,
- Università di Pisa.

We also express our gratitude to all members of the local organizing committee for their help in organizing a successful event.

June 1992

Hélène Kirchner, Giorgio Levi
Co-chairpersons

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Professor Wolfgang Wechler from Würzburg University, the initiator of this series, was initially a member of this committee. His premature and sudden death has left his colleagues and friends very shocked by this tragic event.

Local Organization

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List of Referees

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