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Foreword

This volume contains papers which have been selected for presentation at the Sixth International Symposium on Methodologies for Intelligent Systems - ISMIS'91, held in Charlotte, North Carolina, October 16-19, 1991. The Symposium was hosted by UNC-Charlotte and sponsored by IBM-Charlotte, ORNL/CESAR and UNC-Charlotte.

The Organizing Committee has selected the following major areas for ISMIS'91:

* Expert Systems
* Intelligent Databases
* Knowledge Representation
* Learning and Adaptive Systems
* Logic for Artificial Intelligence.

The contributed papers have been selected from 113 full draft papers by the following Program Committee: A.W. Biermann (Duke), W. Bledsoe (Austin) , J. Calmet (Germany), J. Carbonell (CMU), B. Chandrasekaran (Ohio State), P.R. Cohen (UM-Amherst), C. Fields (New Mexico State), B.R. Gaines (Canada), P.E. Hart (Syntelligence), S.J. Hong (IBM-Yorktown Heights), M. Karpinski (Germany), W. Kohn (Boeing, Seattle), K. Konolige (SRI), C. Lassez (IBM-Yorktown Heights), R. Lopez de Mantaras (Spain), J. Maitan (Lockheed), R.A. Meersman (The Netherlands), R. Michalski (George Mason), J. Minker (Maryland), M. Mukaidono (Japan), R. Parikh (CUNY), J. Pearl (UCLA), D. Perlis (Maryland), F.G. Pin (ORNL), H. Prade (France), Z.W. Ras (UNC-C), L. Saitta (Italy), E. Sandewall (Sweden), T. Sellis (Maryland), J. Sowa (IBM-Yorktown Heights), R. Thomason (Pittsburgh), D. Touretzky (CMU), R. Waldinger (SRI), S.K.M. Wong (Canada), M. Zemankova (NSF) and J. Zytkow (Wichita State). The activity of this Committee and all of the cooperating referees was a great help in completing the final program. This help is highly appreciated.

The cooperating referees are listed below:
J. Baker, B. Chu, L. Console, M. Franco, H. Geffner, A. Giordana, L. Giordano, J. Grzymala-Busse, M. Maher, A. Martelli, S. Matwin, E. Mays, Z. Michalewicz, E. Plaza, H. Rasiowa, P. Torasso, J. Xiao, R. Yap and W. Zadrozny.

The Symposium has been organized by the University of North Carolina at Charlotte with the following Organizing Committee: Bill Chu (UNC-C), Karen S. Harber (ORNL), Zbigniew Michalewicz (UNC-C), M.S. Narasimha (IBM-Charlotte), Zbigniew W. Ras (Symposium Co-Chair, UNC-C), Jing Xiao (UNC-C), Maria Zemankova (Symposium Co-Chair, NSF).

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Charlotte, N.C.
July 1991

Zbigniew W. Ras
Maria Zemankova

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