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Preface

This volume contains the papers selected for presentation at the Eight International Symposium on Methodologies for Intelligent Systems - ISMIS'94, held in Charlotte, North Carolina, October 16-19, 1994. The symposium was hosted by the University of North Carolina at Charlotte and sponsored by Office of Naval Research, Oak Ridge National Laboratory, MITRE Corporation, UNC-Charlotte, and IBM-Charlotte.

ISMIS is a conference series that was started in 1986 in Knoxville, Tennessee. It has since then been held in Charlotte (North Carolina), once in Knoxville, once in Torino (Italy), and once in Trondheim (Norway).

The Program Committee selected the following major areas for ISMIS'94:

- Approximate Reasoning
- Evolutionary Computation
- Intelligent Information Systems
- Knowledge Representation and Integration
- Learning and Adaptive Systems
- Logic for Artificial Intelligence
- Methodologies (Modeling, Design, Validation)

The contributed papers were selected from more than 120 full draft papers by the following Program Committee: Luigia Carlucci Aiello (Roma U., Italy), Alan Biermann (Duke U.), Piero Bonissone (GE), Jacques Calmet (U. Karlsruhe, Germany), John Campbell (U. College - London, England), Jaime Carbonell (CMU), Wesley Chu (UCLA), Misbah Deen (Keele U., UK), Robert Demolombe (CERT-Toulouse, France), Eric Dietrich (SUNY Binghamton), Jon Doyle (MIT), Douglas Fisher (Vanderbilt U.), Michael Georgeff (AAII, Australia), David Hislop (US Army Research Office), Matthias Jarke (RWTH Aachen, Germany), Leo Joskowicz (IMB - Yorktown Heights), Yves Kodratoff (U. Paris VI, France), Jan Komorowski (U. Trondheim, Norway), Kurt Konolige (SRI), Catherine Lassez (IBM Yorktown Heights), Michael Lowry (NASA Ames), Robert Meersman (Tilburg U., Netherlands), Zbigniew Michalewicz (UNC-C), Ryszard Michalski (George Mason), Jack Minker (U. Maryland), Masao Mukaidono (Meiji U., Japan), Lin Padgham (Linkoping U., Sweden), Rohit Parikh (CUNY), Zdzislaw Pawlak (Warsaw U. Tech., Poland), Francois Pin (ORNL), Henri Prade (U. Paul Sabatier, France), Luc De Raedt (Catholic U. Leuven, Belgium), Zbigniew Ras (UNC-C), Lorenza Saitta (U. Torino, Italy), Erik Sandewall (Linkoping U., Sweden), Timos Sellis (National Tech. U. Athens, Greece), Yoav Shoham (Stanford U.), Sal Stolfo (Columbia U.), Richmond Thomason (U. Pittsburgh), Ralph Wachter (ONR), Marianne Winslett (U. Illinois - Urbana), Carlo Zaniolo (UCLA), Maria Zemankova (MITRE), Jan Zytkow (Wichita State). Additionally, we acknowledge the help in reviewing the papers from: Yongyuth Aramkulchai (Imperial College, UK), Chitta Baral (U. Texas - El Paso), Christer Baeckstroem (Linkoping U., Sweden), Marianne Baudinet (U. Libre de Bruxelles, Belgium), Pierre Berlandier (INRIA, France), Sanjiv Bhatia (U. Missouri - St. Louis), Isabelle Borne (Open U., England), Patricia Carbone (MITRE), Steve Chenoweth (NCR), Jan Chomicki (Kansas State U.), Bill Chu (UNC-C), Robin Cockett (U. Calgary, Canada), Luca Console (U. Torino, Italy), Ray D'Amore (MITRE), L. Degerstedt (Linkoping U., Sweden), Luis Farinas del Cerro (U. Calabria, Italy),

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The Symposium was organized by the Department of Computer Science, University of North Carolina at Charlotte. The Organizing Committee consisted of Bill Chu, Mirsad Hadzikadic, Karen Harber, Linda Kroff, Rick Lejk, M.S. Narasimha, and Zbigniew Ras.

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