

Foreword

This volume contains the papers that will be presented at *The First Latin American Workshop on Non-Monotonic Reasoning (LA-NMR04)* which will be held in Mexico City on April 26th 2004. This first edition of this workshop had been organized as a satellite event to MICAI 2004, the Mexican International Conference on Artificial Intelligence.

In the last years, Nonmonotonic reasoning (NMR) has been identified as one of the fundamental high-level cognitive capabilities needed by an *intelligent agent* to function in a rich and dynamic environment. To serve, and to further, the raising interest in NMR in Mexico and Latin America in general we propose LA-NMR as a forum for intensive discussion on declarative logic programming, nonmonotonic reasoning and knowledge representation.

The aim of this event is thus to facilitate interactions between researchers interested in the theory and practical implementations, e.g., to

- compare and evaluate existing formalisms in the areas of logic programming,
- report on new developments and innovations,
- identify important open problems, and
- explore the connections between these areas.

Also, we would like to expose NMR to colleagues from other fields of AI who attend MICAI04.

Contributions were solicited on all aspects of Nonmonotonic reasoning and in particular on:

- Default and Abductive reasoning,
- Answer set programming,
- Situation Calculus,
- Well-founded semantics,
- novel applications, e.g., to Geographic Information System,
- Knowledge Representation and
- Cognitive Robotics.

We would like to thank all authors who submitted papers and all workshop participants for the fruitful discussions. We are grateful to the members of the program and organizing committees, and all the referees for their timely expertise in carefully reviewing the papers. Finally, thanks to the Universidad de las Américas in Puebla for organizing this event and to Virginia Clansing Campos and the San Ildefonso staff for hosting our workshop at the beautiful Antiguo Colegio de San Ildefonso.

Mauricio Osorio
Puebla, Mexico, April 2004

Alessandro Provetti
Messina, Italy, April 2004

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