

Foreword

This volume contains the papers that were presented at the Fourth Latin American Workshop on Non-Monotonic Reasoning (LANMR'08). This time we have furthered our interest to include more general topics related to CS. Now we use the LA part of LANMR to stand both for Languages/Logic + Algorithms, as well as for "Latin America". LANMR'08 was held in Puebla City, Mexico on October 22-24, 2008. The Fourth edition of the workshop was organized by the Benemérita Universidad Autónoma de Puebla and the Universidad de las Américas, Puebla.

The aim of the workshop was to bring together active researchers in formal areas of Computer Science (CS) such as Logic, Formal languages, Algorithms, and Non-Monotonic Reasoning. Particular topics of interest were: knowledge representation, belief revision, reasoning about actions, planning, logic programming, causality, and other related topics.

In Latin America there are several research groups interested in these areas. The number of papers and workshops submitted to different congresses related to CS such as IBERAMIA, ENC and MICAI provides evidence of such interest. So, LANMR workshop is designed to promote cooperation among practitioners and researchers across disciplines who are interested in the formal areas of CS. The aims of the workshop were:

- to present innovative theoretical work and original applications of the formal areas of CS,
- to exchange ideas and to facilitate interaction between researchers of the formal areas of CS,
- to discuss significant recent achievements in the theory and automation based on the formal areas of CS,
- to present critical short and long term goals for the formal areas of CS,
- to provide a forum for students to present their current research in the formal areas of CS, and receive feedback from other students and researchers.

This year the invited speakers provided means to explore ways in which their research may contribute to the identification and addressing of problems of common interest in the formal areas of CS.

We would like to thank all authors who submitted papers as well as all the referees for their timely expertise in carefully reviewing the papers. We are grateful to the invited speakers: Francisco J. Cantú, Jianer Chen, Luis A. Pineda, and Ramón Garduño for preparing such interesting talks and for taking the time and effort to attend the workshop. Finally, thanks to the "Cuerpo Académico de Sistemas de la Información de la Facultad de Ciencias de la Computación of the Benemérita Universidad Autónoma de Puebla " for its support, and thanks to the Facultad de Ciencias de la Computación of the Benemérita Universidad Autónoma de Puebla staff for hosting our workshop.

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