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# Logic Programming and Nonmonotonic Reasoning

10th International Conference, LPNMR 2009  
Potsdam, Germany, September 14-18, 2009  
Proceedings

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# Preface

This volume contains the proceedings of the 10th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR 2009), held during September 14–18, 2009 in Potsdam, Germany.

LPNMR is a forum for exchanging ideas on declarative logic programming, nonmonotonic reasoning and knowledge representation. The aim of the conference is to facilitate interaction between researchers interested in the design and implementation of logic-based programming languages and database systems, and researchers who work in the areas of knowledge representation and nonmonotonic reasoning. LPNMR strives to encompass theoretical and experimental studies that have led or will lead to the construction of practical systems for declarative programming and knowledge representation.

The special theme of LPNMR 2009 was “Applications of Logic Programming and Nonmonotonic Reasoning” in general and “Answer Set Programming (ASP)” in particular. LPNMR 2009 aimed at providing a comprehensive survey of the state of the art of ASP/LPNMR applications.

The special theme was reflected by dedicating an entire day of the conference to applications. Apart from special sessions devoted to original and significant ASP/LPNMR applications, we solicited contributions providing an overview of existing successful applications of ASP/LPNMR systems. The presentations on applications were accompanied by two panels, one on existing and another on future applications of ASP/LPNMR.

The theme of the conference was also reflected in our invited talks given by:

- Armin Biere (Johannes Kepler University, Austria)
- Alexander Bockmayr (Freie Universität Berlin, Germany)
- Ilkka Niemelä (Helsinki University of Technology, Finland)

The conference was accompanied by several workshops and hosted the award ceremony of the Second ASP Competition, run prior to the conference by Marc Denecker’s research group at the University of Leuven, Belgium.

LPNMR 2009 received 75 submissions, of which 55 were technical, 8 original applications, 9 system descriptions and 3 short papers. Out of these, we accepted 25 technical, 4 original applications, 10 system descriptions, and 13 short papers. We additionally received 13 summaries of existing successful application papers, which were handled by the Application Chair.

Finally, we would like to thank all members of the Program and Organizing Committee as well as all further reviewers and people locally supporting the organization of LPNMR 2009 at the University of Potsdam. A special thanks to Yi Zhou for his help in checking the copyright forms.

July 2009

Fangzhen Lin  
Torsten Schaub  
Esra Erdem

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