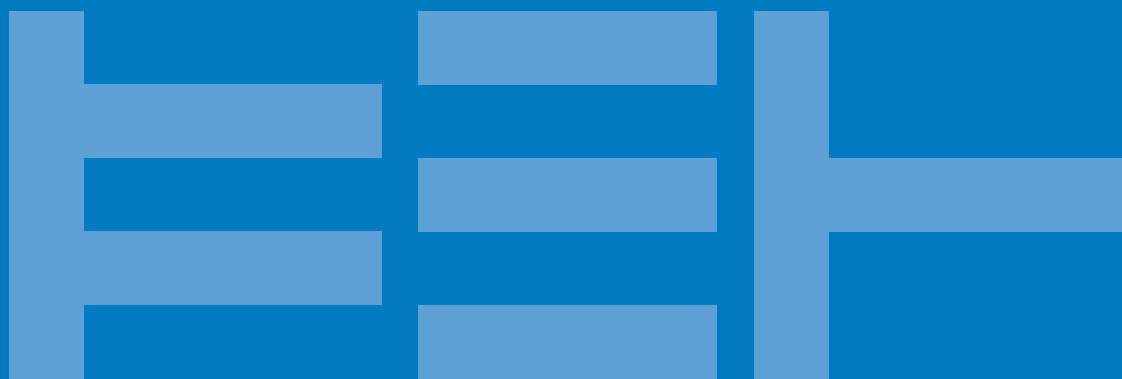


# Theory and Practice of Logic Programming



VOLUME 11 PART 6 NOVEMBER 2011

CAMBRIDGE  
UNIVERSITY PRESS

Theory and Practice of Logic Programming VOL 11 PART 6 NOVEMBER 2011

CAMBRIDGE

**EDITOR-IN-CHIEF****Ilkka Niemelä**

Aalto University School of Science  
 Department of Information and Computer Science  
 P.O. Box 15400, FI-00076 AALTO, FINLAND  
 EMAIL Ilkka.Niemela@aalto.fi

**FOUNDING EDITOR-IN-CHIEF****Jack Minker**

Department of Computer Science  
 and Institute for Advanced Computer Studies,  
 University of Maryland,  
 College Park, Maryland 20742, USA,  
 EMAIL minker@cs.umd.edu

**AREA EDITORS***Constraints*

**Peter J. Stuckey**  
 University of Melbourne  
 pjs@cs.mu.oz.au

*Inductive Logic Programming and  
Multi-relational Data Mining*

**Luc De Raedt**  
 Katholieke Universiteit Leuven  
 luc.deraedt@cs.kuleuven.be

*Specification, Analysis and Verification of  
Systems*

**Michael Leuschel**  
 University of Düsseldorf  
 leuschel@cs.uni-dusseldorf.de

*Databases and Semantic Web Reasoning*

**Thomas Eiter**  
 Vienna University of Technology  
 eiter@kr.tuwien.ac.at

*Knowledge Representation and  
Nonmonotonic Reasoning*

**Michael Gelfond**  
 Texas Tech. University  
 Michael.Gelfond@ttu.edu

*Theory*

**Giorgio Levi**  
 Università di Pisa  
 levi@di.unipi.it

*Design, Analysis and Implementation of  
Languages*

**Maria Garcia de la Banda**  
 Monash University  
 Maria.GarciadelaBanda@infotech.  
 monash.edu.au

*Logic Programming Methodology &  
Applications*

**Gopal Gupta**  
 The University of Texas at Dallas  
 gupta@utdallas.edu

*Technical Notes*

**Catuscia Palamidessi**  
 INRIA LIX  
 catuscia@lix.polytechnique.fr

*Book Reviews*

**Krzysztof Apt**  
 CWI, The Netherlands  
 apt@cwi.nl

**EDITORIAL ADVISORS****C. Baral**

Arizona State University

**A. Bossi**Università Ca'Foscari  
di Venezia**Maurice Bruynooghe**Katholieke Universiteit  
Leuven**M. Carlsson**Swedish Institute of  
Computer Science**A. Colmerauer**

Université d'Aix Marseille II

**V. Dahl**

Simon Fraser University

**D. De Schreye**Katholieke Universiteit  
Leuven**J. Dix**Clausthal University of  
Technology, Germany**P.M. Dung**Asian Institute of  
Technology, Thailand**P. Flach**

University of Bristol

**M. Gabbrielli**

University of Bologna

**J. Gallagher**

Roskilde University

**Manuel Hermenegildo**Universidad Politecnica  
de Madrid**K. Inoue**National Institute of  
Informatics, Japan**Joxan Jaffar**National University of  
Singapore**A. Kakas**

University of Cyprus

**A. King**

University of Kent

**R.A. Kowalski**

Imperial College

**L. Libkin**

University of Toronto

**V. Lifschitz**University of Texas at  
Austin**M. Maher**

National ICT Australia

**D. Miller**INRIA, École  
Polytechnique**S. Muggleton**

Imperial College

**G. Nadathur**

University of Minnesota

**R. O'Keefe**University of Otago, New  
Zealand**L.M. Pereira**Universidade Nova de  
Lisboa**J.A. Robinson**

Highland Institute

**F. Rossi**

Università di Padova

**K. Sagonas**

Uppsala University

**T. Sato**Tokyo Institute of  
Technology**Z. Somogyi**The University of  
Melbourne**M. Truszczyński**

University of Kentucky

**K. Ueda**

Waseda University

**J.D. Ullman**

Stanford University

**M. Wallace**

Monash University

**INTERNET ACCESS**

The journal is included in the Cambridge Journals Online service which can be found at [journals.cambridge.org/](http://journals.cambridge.org/).  
 Refer also for other information to the dedicated journal web site at <http://logicprogramming.org/>