

Preface

These are the proceedings of the 18th International Conference on Logic Programming (ICLP 2002) held at the University of Copenhagen from July 29th to August 1st, 2002. For the first time the International Conference on Logic Programming was part of the Federated Logic Conference (FloC) which included the events:

- Conference on Automated Deduction (July 27-30)
- Conference on Computer-Aided Verification (July 27-31)
- Formal Methods Europe (July 22-24)
- IEEE Symposium on Logic in Computer Science (July 22-25)
- Conference on Rewriting Techniques and Applications (July 22-24)
- Automated Reasoning with Analytic Tableaux and Related Methods (July 30th - August 1st)

Furthermore seven satellite workshops were also associated with the conference and took place in the period July 27th to August 1st.

This volume contains the papers accepted for presentation at ICLP 2002. The conference received 82 submissions, in two categories: 21 applications papers and 61 technical papers. Of these, 29 papers were accepted for presentation, 7 applications papers and 22 technical papers. The program committee selected a best paper from each of the two categories. In addition 13 papers were accepted as short papers and presented as posters during the technical program.

The conference program also included two invited talks and four tutorials. We were privileged to have two distinguished invited speakers: Pierre Wolpe (University of Liege) talking about constraint representation by finite automata and Stefan Decker (Stanford University), talking about the possible roles of logic and logic programming in the Semantic Web. The four tutorials all represent areas of logic programming which are currently highly active. David D. Warren presented a tutorial on tabled logic programming, Thom Frühwirth and Slim Abdennadher presented constraint handling rules Mirek Truszczyński presented answer sets, and Abhik Roychoudhury and I.V. Ramakrishnan presented automated verification.

I would like to thank all the authors of the submitted papers, the Program Committee members, and the referees for their time and efforts spent in the reviewing process, the conference chair Henning Christiansen, and the FLoC organizers for the excellent organization of the conference.

Organization

ICLP 2002 was organized by the Association of Logic Programming

Conference Organization

Conference Chair: Henning Christiansen (Roskilde University, Denmark)
Program Chair: Peter J. Stuckey (University of Melbourne, Australia)
Workshop Chair: Henning Christiansen (Roskilde University, Denmark)
FloC Conference Chair: Neil D. Jones (University of Copenhagen, Denmark)
Publicity: Martin Grohe (University of Edinburgh, UK)

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Pascal Van Hentenryck (Brown University, USA)
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Referees

Areski Nait Abdallah	Hai-Feng Guo	Jan Ramon
Salvador Abreu	Martin Henz	Nico Roos
Gianluca Amato	Koji Iwanuma	Abhik RoyChoudhury
James Bailey	Nico Jacobs	Salvatore Ruggieri
Marcello Balduccini	Antonis Kakas	Fariba Sadri
Chitta Baral	Bob Kowalski	Chiaki Sakama
David Billington	Kung-Kiu Lau	Vitor Santos Costa
Roland Bol	João Leite	Taisuke Sato
Lucas Bordeaux	Lengning Liu	Peter Schachte
Maurice Bruynooghe	Pedro López-García	Andrea Schaerf
Daniel Cabeza	Jan Maluszyński	Alexander Serebrenik
Manuel Carro	José Manuel Gómez	Kish Shen
Carlo Combi	Massimo Marchiori	Fernando Silva
Emmanuel Coquery	Victor W. Marek	Zoltan Somogyi
Jesús Correás	Kim Marriott	Fausto Spoto
Carlos Damasio	Nancy Mazur	Kostas Stathis
Frank de Boer	Chiara Meo	Gheorghe Stefanescu
Danny De Schreye	Laurent Michel	Martin Sulzmann
Alex Dekhtyar	Tim Miller	P.S. Thiagarajan
Bart Demoen	J. J. Moreno Navarro	Paolo Torroni
Jürgen Dix	S. Muñoz Hernández	Son Cao Tran
Mireille Ducassé	Ilkka Niemelä	Claudio Vaucheret
Ines Dutra	Nicolay Pelov	Eric de la Clergerie
Artur Garcez	Luís Moniz Pereira	Eelco Visser
Ana García-Serrano	Luis Pias de Castro	Razvan Voicu
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Michel Grabisch	Enrico Pontelli	Cees Witteveen
Stefan Gruner	Steven Prestwich	Roland Yap
Sergio Guadarrama	Germán Puebla	Jia-Huai You

Prizes

Best Paper (Applications Program)

An abductive approach for analysing event-based requirements specifications,
Alessandra Russo, Rob Miller, Bashar Nuseibeh, and Jeff Kramer.

Best Paper (Technical Program)

Trailing analysis for HAL,
Tom Schrijvers, María García de la Banda, and Bart Demoen.

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