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6TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '99)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

National Park of Itatiaia, Rio de Janeiro, Brazil, May 25–28, 1999

The 6th Workshop on Logic, Language, Information and Computation (WoLLIC '99) was held at the Hotel Simon, situated in the National Park of Itatiaia, State of Rio de Janeiro, Brazil, from May 25–28, 1999. This was the sixth in a series of workshops which started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic. Previous workshops were held at: Recife (Pernambuco, Brazil) in 1994 and 1995, Salvador (Bahia, Brazil) in 1996, Fortaleza (Ceará, Brazil) in 1997, and Sao Paulo (Sao Paulo, Brazil) in 1998. It is planned to hold the next WoLLIC meeting in July of 2000 in the Brazilian northern town of Natal, on the campus of Universidade Federal do Rio Grande do Norte (UFRN). WoLLIC '99 was held in conjunction with the XII Encontro Brasileiro de Logica (EBL '99), the biannual meeting of the Brazilian Logic Society. The workshop had the scientific sponsorship of the Interest Group in Pure and Applied Logics (IGPL), the European Association for Logic, Language and Information (FoLLI), the Association for Symbolic Logic (ASL), the Brazilian Computer Science Society (SBC), and the Brazilian Logic Society (SBL). Funding was given by CNPq (Brazilian Research Council, Ministry of Science and Technology), CAPES (Brazilian Ministry of Education), and the Facoltá di Scienze of the Universitá di Verona (Italy).

The Program Committee consisted of: Gianluigi Bellin (Universitá degli Studi di Verona, Italy) (Chair), Walter Carnielli (Universidade Estadual de Campinas, Brazil), Abbas Edalat (Imperial College, London, UK), Rob van Glabbeek (Stanford University, USA), Jeroen Groenendijk (Amsterdam Universiteit, The Netherlands), Roman Kossak (City University of New York, USA), Daniel Lehmann (Hebrew University of Jerusalem, Israel), Dusko Pavlovic (Kestrel Institute, USA), and Moshe Vardi (Rice University, USA). The Organizing Committee consisted of: M. Benevides (COPPE/UFRJ), W. Carnielli (Univ. Campinas, Brazil) (Co-Chair), M. Finger (USP), E. Hermann Hauesler (PUC-Rio), A. G. de Oliveira (UFPE/UFBA), L. C. Pereira (PUC-Rio), A. T. C. Martins (UFC), and R. de Queiroz (UFPE) (Co-Chair).

There were six invited talks:

Samson Abramsky (Edinburgh University), *Concurrent games and full completeness*.

John Baldwin (University of Illinois at Chicago), *Finite and infinite model theory*.

Craig Boutilier (University of British Columbia), *Abstraction and decomposition techniques for Markov decision processes*.

Daniel Leivant (Indiana University), *Intrinsic theories: A methodology for reasoning about functional programs and their computational complexity*.

Francisco Miraglia (University of Sao Paulo), *A lattice-theoretic concept of logical connective*.

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Alan Woods (University of Western Australia), *Bounded arithmetic from a rational perspective*.

On May 25, five tutorial lectures (two hours each) were given:

Samson Abramsky, *Introduction to game semantics*.
John Baldwin, *Stability and finite model theory*.
Craig Boutilier, *Markov decision processes and Bayesian networks*.
Francisco Miraglia, *A crash course in distributive lattices*.
Alan Woods, *Bounded arithmetic, nonstandard models*.

Twenty-four short papers were submitted from all over the world, out of which fourteen were selected for presentation at the meeting. The abstracts of papers presented at the meeting will be published in the ***Logic Journal of the Interest Group in Pure and Applied Logics***, Volume 7 (`http://www.oup.co.uk/igpl`). A Special Issue of the ***Journal*** will be published early in 2000 with the full version of the invited papers, as well as a selection of contributed papers.

For the Program Committee
RUY J. G. B. DE QUEIROZ AND WALTER CARNIELLI

Webpage: `http://www.di.ufpe.br/~wollic/wollic99/`