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9TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '2002)

CO-SPONSORED BY THE ASSOCATION FOR SYMBOLIC LOGIC

Rio de Janeiro, Brazil
July 30–August 2, 2002

The 9th Workshop on Logic, Language, Information and Computation (WoLLIC '2002) was held at the campus of the Pontificia Universidade Católica do Rio de Janeiro (PUC-Rio), in the city of Rio de Janeiro Brazil, from July 30 to August 3, 2002.

It was the ninth in a series of workshops that started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic. Previous workshops were held at: Recife (Pernambuco) in 1994 and 1995; Salvador (Bahia) in 1996; Fortaleza (Ceará) in 1997; São Paulo in 1998; Itatiaia (Rio de Janeiro) in 1999; Natal (Rio Grande do Norte) in 2000; and Brasília (Distrito Federal) in 2001.

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 provided by CNPq (Brazilian Research Council, Ministry of Science and Technology), CAPES (Brazilian Ministry of Education), and Microsoft Brasil.

The Program Committee consisted of Mauricio Ayala-Rincón (Universidade de Brasília, Brazil), Mario Benevides (Universidade Federal do Rio de Janeiro, Brazil), Anuj Dawar (Cambridge University, England), Philippe de Groote (LORIA, France), Roger Maddux (Iowa State University, USA), Toniann Pitassi (University of Toronto, Canada), Bruno Poizat (Université Claude Bernard - Lyon I, France), Alberto Policriti (Università di Udine, Italy), and Glynn Winskel (Cambridge University, England). The Organizing Committee consisted of Claus Akira Matsushigue (IME-USP), Edward Hermann Haeusler (PUC-Rio), Anjolina Grisi de Oliveira (UFPE), Luiz Carlos Pereira (PUC-Rio and UFRJ) (Co-Chair), Ruy de Queiroz (UFPE) (Co-Chair), and Jorge Petrúcio Viana (UFF/UFRJ).

There were six invited talks:

Ricardo Bianconi (Departamento de Matematica Pura, Instituto de Matematica e Estatistica, Universidade de São Paulo, Brazil), *Definability in o-minimal expansions of the real numbers*.

Felipe Cucker (Department of Mathematics, City University of Hong Kong, People's Republic of China), *On sparseness and Turing reducibility over the reals*.

Erich Grädel (Mathematische Grundlagen der Informatik, RWTH Aachen, Germany), *Model checking games for fixed point logics*.

Gopalan Nadathur (Department of Computer Science and Engineering, University of Minnesota, USA), *The suspension notation for lambda terms and its use in metalanguage implementations*.

Rohit Parikh (Department of Computer and Information Science, Brooklyn College, City University of New York, USA), *States of knowledge*.

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Igor Walukiewicz (LaBRI, Bordeaux University, France), *Deciding low levels of tree-automata hierarchy*.

July 30 was the "tutorial day", and the following tutorial lectures were presented (two hours each):

Some model theory of ordered structures, by Ricardo Bianconi.
Computing with real numbers, by Felipe Cucker.
Model checking games, by Erich Grädel.
The metalanguage lambda prolog and its implementation, by Gopalan Nadathur.
States of knowledge (*Tutorial*), by Rohit Parikh.
Automata theory and logic, by Igor Walukiewicz.

Twenty-four 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***, (`http://www.oup.co.uk/igpl`). Volume 67 of the series *Electronic Notes in Theoretical Computer Science*, published by Elsevier (see `http://www.math.tulane.edu/~entcs`), will contain the proceedings of the meeting.

For the Program Committee
RUY J. G. B. DE QUEIROZ

Webpage: `http://www.cin.ufpe.br/~wollic/wollic2002/`