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10TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '2003)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Ouro Preto (Minas Gerais), Brazil
July 29–August 1, 2003

The 10th Workshop on Logic, Language, Information and Computation (WoLLIC '2003) was held at the Escola de Minas of the Universidade Federal de Ouro Preto (UFOP), in the city of Ouro Preto (Minas Gerais), Brazil, from July 29 to August 1, 2003.

It was the tenth 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; Brasília (Distrito Federal) in 2001; and Rio de Janeiro in 2002.

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 European Association for Theoretical Computer Science (EATCS), 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 Argimiro Arratia (Universidad Simon Bolivar, Venezuela), Alessandra Carbone (Institut des Hautes Études Scient, and Université Paris XII, France), Marcelo Coniglio (Universidade Estadual de Campinas, Brazil), Gilles Dowek (INRIA-Rocquencourt, France), Arnaud Fleury (Università di Verona, Italy), Dexter Kozen (Cornell University, USA), Maarten Marx (University of Amsterdam, The Netherlands), Luiz Carlos Pereira (Pontifícia Universidade Católica do Rio de Janeiro, Brazil), Antônio Carlos da Rocha Costa (Universidade Católica de Pelotas, Brazil), Dieter Spreen (Universität Siegen, Germany), Jouko Väänanen (University of Helsinki, Finland), Renata Wassermann (Universidade de São Paulo, Brazil). The Organizing Committee consisted of Anjolina G. de Oliveira (Universidade Federal de Pernambuco), Lucilia Figueiredo (Universidade Federal de Ouro Preto), Fred Ulisses Maranhão (Centro de Informática, Universidade Federal de Pernambuco), Elaine Pimentel (Universidade Federal de Minas Gerais) (Co-Chair), Ruy de Queiroz (Universidade Federal de Pernambuco) (Co-Chair).

There were five invited talks:

Eric Allender (Department of Computer Science, Rutgers University, USA), *NL-printable sets and Nondeterministic Kolmogorov Complexity*.

Lauri Hella (Department of Mathematics, Statistics and Philosophy, University of Tampere, Finland), *Quantifying over Quantifiers*.

Jean-Baptiste Joinet (Proofs-Programs-Systems, Université Paris 7, France), *Calculus of structures and proof-nets*.

Dale Miller (INRIA-Futurs and École Polytechnique, France), *Encryption as an abstract data-type*.

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Hans Rott (Institut für Philosophie, Universität Regensburg, Germany), *Economy and economics in the logic of theory change*.

July 29 was the "tutorial day", and the following tutorial lectures were presented (two hours each):

Algorithmic randomness and derandomization, by Eric Allender.
Generalized quantifiers, by Lauri Hella.
Implicit computational complexity, by Jean-Baptiste Joinet.
Proof search foundations for logic programming, by Dale Miller.
Iterated theory change, by Hans Rott.

Twenty-one papers were submitted from all over the world, out of which fifteen 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 84 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/wollic2003/`