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11TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '2004)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Fontainebleau (Univ. Paris XII), France
July 19–22, 2004

The 11th Workshop on Logic, Language, Information and Computation (WoLLIC '2004) 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 19th to 22nd, 2004.

It was the eleventh 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; Rio de Janeiro in 2002; and Ouro Preto in 2003.

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.

This year the workshop had a 'satellite' event: the *Second Workshop on the Logic for Pragmatics* (http://www.univ-paris12.fr/lacl/WoLP04/) was held in the Créteil Campus of the Univ. Paris XII, from July 23rd to 24th.

The members of the Program Committee included: Zofia Adamowicz (Mathematics Institute, Polish Academy of Sciences, Poland), Danièle Beauquier (LACL, Univ. Paris XII, France), Felipe Cucker (City Univ. of Hong Kong, Honk Kong), Mariangiola Dezani (Università di Torino, Italy), Georg Gottlob (Tech. Univ. Wien, Austria), Erich Grädel (RWTH Aachen, Germany), Etienne Grandjean (Univ. de Caen, France), Irene Guessarian (LIAFA et UFR d'Informatique de Paris VI), Gérard Huet (INRIA, France), Martin Hyland (Cambridge Univ., UK), Gopalan Nadathur (Univ. of Minnesota, USA), Grzegorz Rozenberg (Leiden Univ. The Netherlands), Anatol Slissenko (LACL, Univ. Paris XII, France), and Igor Walukiewicz (Bordeaux Univ., France).

The Organizing Committee members were:

Gianluigi Bellin (Univ. di Verona, Italy), Alessandra Carbone (Univ. Pierre et Marie Curie, France), Patrick Cégielski (LACL, Univ. Paris XII, France) (Co-Chair), Anjolina Grisi de Oliveira (Centro de Informática, Univ. Fed Pernambuco, Brazil), and Ruy de Queiroz (Centro de Informática, Univ. Fed Pernambuco, Brazil) (Co-Chair).

There were six invited talks:

Thomas Ehrhard (Institut de Mathématiques de Luminy, Univ. Marseille, France), *Differential lambda-calculi and interaction nets*.

Manfred Kerber (School of Computer Science, Univ. of Birmingham, UK), *Living with paradoxes*.

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Klaus Meer (Univ. of Southern Denmark, Odense, Denmark), *Probabilistically checkable proofs over the reals*.
Damian Niwiński (Div. of Maths, Informatics & Mechanics, Warsaw Univ., Poland), *Deciding nondeterministic hierarchy of deterministic tree automata*.
Luke Ong (Computing Laboratory, Oxford Univ., UK), *Pushdown hierarchies and the safety constraint*.
Alexander Rabinovich (School of Computer Science, Tel Aviv Univ., Israel), *Compositional theorems*.

July 19 was the "tutorial day", and the following tutorial lectures were presented (two hours each):

Web-based models of linear logic, by Thomas Ehrhard.
Mathematical reasoning – machines vs humans, by Manfred Kerber.
Real number computations and descriptive complexity, by Klaus Meer.
Expressive power of temporal logics, by Alexander Rabinovich.

Twenty-five papers were submitted from all over the world, out of which ten 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`). A volume 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.

Webpage: `http://www.cin.ufpe.br/~wollic/wollic2004/`

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