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7TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC'2000)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Natal, Rio Grande do Norte, Brazil
August 15–18, 2000

The 7th Workshop on Logic, Language, Information and Computation (WoLLIC'00) was held at the Hotel Barreira Roxa, situated in Natal, State of Rio Grande do Norte, Brazil, from August 15–18, 2000. It was the seventh version of a series of workshops which started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic. Previous versions were held at: Recife (Pernambuco) in 1994 and 1995; Salvador (Bahia) in 1996; Rotaleza (Ceará) in 1997; Sao Paulo in 1998; and Itatiaia (Rio de Janeiro) in 1999. 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 (SEC), and the Brazilian Logic Society (SBL). Funding was given by CNPq (Brazilian Scientific and Technological Development Council, Ministry of Science and Technology), CAPES (Brazilian Ministry of Education), and FUNPEC (Rio Grande do Norte's foundation for research and culture).

The Program Committee consisted of Sergei Artemov (Moscow University, Russia, and Cornell University, USA), Ricardo Bianconi (University of Sao Paulo, Brazil), Sam Buss (UC San Diego, USA), Edmund Clarke (Carnegie Mellon University, USA), Itala D'Ottaviano (University of Campinas, Brazil), Heinz-Dieter Ebbinghaus (University of Freiburg, Germany), Peter Johnstone (Cambridge University, UK), Hans Kamp (University of Stuttgart, Germany), Pat Lincoln (SRI International, USA), Maarten de Rijke (Amsterdam University, The Netherlands), and Colin Stirling (Edinburgh University, Scotland). The Organizing Committee consisted of B. C. Bedregal (UFRN), M. E. Coniglio (UNICAMP), A. M. P. Cruz (UFRN), D. Deharbe (UFRN), A. T. C. Martins (UFC), A. Moreira (UFRN), A. G. de Oliveira (UFPE/UFBA), R. de Queiroz (UFPE), and R. H. N. Santiago (UFRN).

There were five invited talks:

Sergei Artemov (Moscow University and Cornell University), *Some applications of explicit provability*.

Luiz Carlos Pereira (Catholic University of Rio de Janeiro), *Translations and normalization procedures*.

Toniann Pitassi (University of Toronto), *A new proof of the weak pigeonhole principle*.

Bruno Poizat (University Lyon 1), *Une tentative malheureuse de construction d'une structure eliminant rapidement les quanteurs/An unfortunate attempt to build a structure with fast quantifier elimination*.

Glynn Winskel (BRICS), *Linearity in distributed computation*.

August 15 was the tutorial day, and the following tutorial lectures were presented (2 hours each):

1079-8986/01/0702-0009/$1.20

The complexity of propositional proofs and connections to bounded arithmetic and computational complexity, by Toniann Pitassi.

Classes de complexité definie en termes d'elimination des quanteurs/Complexity classes associated to quantifiers elimination, by Bruno Poizat.

Presheaf models for concurrency, by Glynn Winskel.

Twenty-two short papers were submitted from all over the world, 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`). A Special Issue of the ***Journal*** will be published early in 2001 with the full version of the invited papers, as well as a selection of contributed papers.

For the Program Committee
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Webpage: `http://www.cin.ufpe.br/~wollic/wollic2000/`