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4TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '97)

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Fortaleza (Ceará), Brazil, August 19–22, 1997

The 4th Workshop on Logic, Language, Information and Computation (WoLLIC '97) was held August 19–22, 1997 in the Ponta Mar Hotel, Fortaleza (Ceará), Brazil. This was the fourth in a series of workshops which started in 1994 with the aim of fostering interdisciplinary research in logic, lanaguage, information, and computation. WoLLIC '97 was sponsored by the Interest Group in Pure and Applied Logics (IGPL), the European Association for Logic, Language and Information (FoLLI), the Association for Symbolic Logic (ASL), and the Brazilian Computer Science Society (SBC). Funding was given by CNPq (Brazilian Research Council, Ministry of Science and Technology), CAPES (Brazilian Ministry of Education), Sun, IBM, UFPE, UFC, SEPROCE, TELECEARA, SECREL, and FUNCAP.

The Program Committee consisted of: A. Avron (Tel Aviv University, Israel), J. van Benthem (University of Amsterdam, The Netherlands), W. A. Carnielli (UNICAMP, Campinas, BR), N. da Costa (USP, Sao Paulo, BR), I. Hodkinson (Imperial College, London, UK), L. Moss (Indiana Univeristy, Bloomington, US), V. de Paiva (Birmingham University, UK), T. Pequeno (UFC, Fortaleza, BR), R. de Queiroz (UFPE, Recife, BR), and P. Veloso (PUC, Rio, BR). The Organising Committee consisted of: M. Aragao (UFC), F. Carvalho (UFC), A. T. C. Martins (UFC), A. G. de Oliveira (UFBA/UFPE), M. Pequeno (UFC) (Co-Chair), T. Pequeno (UFC), R. de Queiroz (UFPE) (Co-Chair), and W. Vasconcelos (UECE). There were ten invited talks:

Keith Devlin (St. Mary's College, US), *Using logic to understand what went wrong*.

Abbas Edalat (Imperial College, UK), *Exact real number computation using linear fractional transformations*.

Rob van Glabbeek (Stanford University, US), *Translating event oriented models of concurrency into petri nets by means of propositional logic*.

Yuri Gurevich (University of Michigan, US), *Choiceless polynomial time*.

Peter Johnstone (Cambridge University, UK), *Grothendieck toposes as first-order theories*.

Roman Kossak (City University of New York, US), *What is model theory of arithmetic?*

Daniel Lehmann (Hebrew University, Jerusalem, Israel), *Stereotypical reasoning*.

Drew McDermott (Yale University, US), *Why nonmonotonicity is trivial even through nonmonotonic logic is impossible*.

Michael Moortgat (Utrecht University, The Netherlands), *Grammatical resources: Logic, structure, and control*.

Moshe Vardi (Rice University, US), *Computational model theory*.

There were 30 other talks accepted by the program committee and 28 of these were presented in person at the meeting, which was attended by 94 registered participants. The abstracts of papers presented at the meeting are published in the *Journal of the Interest Group*

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in Pure and Applied Logics, Volume 5 (http://www.oup.co.uk/jnls/igpl). A Special Issue of the *Journal* includes the invited papers and a selection of the contributed papers. It is planned to hold the next WoLLIC at the end of July 1998 at the University of Sao Paulo.

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