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8TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '2001)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Brasilia, Distrito Federal, Brazil
July 31–August 3, 2001

The 8th Workshop on Logic, Language, Information and Computation (WoLLIC '2001) was held at the campus of the University of Brasilia (UnB), in the city of Brasilia (Distrito Federal), Brazil, from July 31 to August 3, 2001.

It was the eighth 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; Sao Paulo in 1998; Itatiaia (Rio de Janeiro) in 1999; and Natal (Rio Grande do Norte) in 2000.

The workshop had the scientific sponsorship of the Interest Group in Pure and Applied Logics (IGPL), the European Assocation for Logic, Language and Information (FoLLI), the Assocation 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 the University of Brasilia (UnB).

The Program Committee consisted of John Baldwin (University of Illinois at Chicago, USA), Mads Dam (Swedish Institute of Computer Science, Sweden), Marcelo Finger (University of Sao Paulo, Brazil), Edward Hermann Haeusler (Pont. Catholic University Rio de Janeiro, Brazil), David Israel (SRI International, USA), Fairouz Kamareddine (Heriot-Watt University, Scotland), Claude Kirchner (LORIA and INRIA, France), Phokion Kolaitis (University of California at Santa Cruz, USA), Daniel Leivant (Indiana University, USA), Michael Moortgat (Utrecht University, The Netherlands), and Pavel Pudlak (Mathematics Institute of the Czech Academy of Sciences, Czech Republic). The Organizing Committee consisted of Mauricio Ayala-Rincón (UnB) (Co-Chair), Sandra A. de Amo (UFU), Ana Teresa de Castro Martins (UFC), Anjolina G. de Oliveira (UFPE/UFBA), Haydee W. Poubel (UnB), Ruy de Queiroz (UFPE) (Co-Chair), and Renata Wassermann (USP).

There were seven invited talks:

Walter Carnielli (Campinas State University), *Logics of formal (in)consistency*.
Bruno Courcelle (University of Bordeaux-1), *Graphs, trees and monadic second order logic: Recent results and open problems*.
Gilles Dowek (INRIA), *Confluence as a cut elimination property*.
Arnaud Fleury (University of Verona), *Braided linear logic*.
Petr Hájek (Czech Academy of Sciences), *Some new trends in mathematical fuzzy logic*.
Dexter Kozen (Cornell University), *Automata on guarded strings*.
Jouko Väänänen (Helsinki University), *Pseudo-finite model theory*.

July 31 was the "tutorial day", and the following tutorial lectures were presented (two hours each):

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Graphs, trees and monadic second order logic: *Tutorial*, by Bruno Courcelle.
Mixing deductions and computations: *an overview*, by Gilles Dowek.
Controlling the exchange rule, by Arnaud Fleury.
Mathematical fuzzy logic—state of art 2001, by Petr Hajék.
Kleene algebra with tests, by Dexter Kozen.
Model theory of extensions of first order logic, by Jouko Väänänen.

Fifteen short papers were submitted from all over the world, out of which eleven 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 *Matematica Contemporanea* journal (see `http://www.mat.unb.br/~matcont`), published under the auspices of the Brazilian Mathematical Society, will appear early in 2002 with the (refereed) full versions of the invited papers, as well as a selection of contributed papers.

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

Webpage: `http://www.cin.ufpe.br/~wollic/wollic2001/`