

XVI BRAZILIAN LOGIC CONFERENCE
(EBL 2011)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

Petrópolis, Rio de Janeiro, Brazil
May 9–13, 2011

The 16th Brazilian Logic Conference (EBL 2011) was held in Petrópolis, from May 9th to 13th, 2011, at the Laboratório Nacional de Computação Científica (LNCC). It was the sixteenth in a series of conferences that started in 1977 with the aim of congregating logicians from Brazil and abroad, furthering interest in logic and its applications, stimulating cooperation, and contributing to the development of this branch of science.

EBL 2011 included more than one-hundred and fifty participants, all of them belonging to prominent research institutes from Brazil and abroad, especially Latin America.

The conference was sponsored by the Academia Brasileira de Ciências (ABC), the Association for Symbolic Logic (ASL), Universidade Estadual de Campinas (UNICAMP), Centre for Logic, Epistemology and the History of Sciences (CLE), Laboratório Nacional de Computação Científica (LNCC), Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio), Sociedade Brasileira de Lógica (SBL), and Universidade Federal Fluminense (UFF).

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The members of the Scientific Committee were: Mário Folhadela Benevides (COPPE-UFRJ), Fábio Bertato (CLE-IFCH-UNICAMP), Jean-Yves Béziau (UFRJ), Ricardo Bianconi (USP), Juliana Bueno-Soler (UFABC), Xavier Caicedo (Universidad de Los Andes), Walter Carnielli (CLE-IFCH-UNICAMP), Oswaldo Chateaubriand Filho (PUC-Rio), Marcelo Esteban Coniglio (CLE-IFCH-UNICAMP), Newton da Costa (UFSC, President), Antonio Carlos da Rocha Costa (UFRG), Alexandre Costa-Leite (UnB), Ítala M. Loffredo D'Ottaviano (CLE-IFCH-UNICAMP), Marcelo Finger (USP), Edward Hermann Haeusler (PUC-Rio), Décio Krause (UFSC), João Marcos (UFRN), Ana Teresa de Castro Martins (UFC), Maria da Paz Nunes de Medeiros (UFRN), Francisco Miraglia (USP), Luiz Carlos Pereira (PUC-Rio and UFRJ), Elaine Pimentel (UFMG), and Samuel Gomes da Silva (UFBA).

The members of the Organizing Committee were: Anderson de Araujo (UNICAMP), Walter Carnielli (CLE-IFCH-UNICAMP), Oswaldo Chateaubriand Filho (PUC-Rio, Co-chair), Marcelo Corrêa (UFF), Renata de Freitas (UFF), Edward Hermann Haeusler (PUC-RJ), Hugo Nobrega (COPPE-UFRJ), Luiz Carlos Pereira (PUC-Rio e IFCS/UFRJ), Leandro Suguitani (UNICAMP), Rafael Testa (UNICAMP), Leonardo Bruno Vana (UFF), and Petrucio Viana (UFF, Co-chair).

Nine plenary lectures were given:

Carlos Areces (INRIA Nancy Grand Est), *Logics to describe and change*.

Carlos Caleiro (TU-IST Lisbon), *Abstract valuation semantics*.

Gregory Chaitin (IBM T. J. Watson Research Center), *Life as evolving software*.