

EDITORIAL

This issue contains selected papers of the *Second Workshop on Descriptive Complexity of Automata, Grammars and Related Structures* organized by Working Group 1.2 on Descriptive Complexity of the International Federation of Information Processing and by the University of Western Ontario. It was held in London, Ontario, Canada, July 27–29, 2000, and was part of a three-conference event *Half Century of Automaton Theory* celebrating 50 years of automaton and language theory, held at the University of Western Ontario in London, Canada, in the week of 24 to 29 July, 2000.

We are grateful to the Program Committee consisting of C. CALUDE (Auckland, New Zealand), E. CSUHAJ-VÁRJU (Budapest, Hungary), J. DASSOW (Magdeburg, Germany), J. GOLDSTINE (University Park, USA), L. HEMASPANDRA (Rochester, USA), H. JÜRGENSEN (London, Canada, and Potsdam, Germany), GH. PĂUN (București, Romania), K. SALOMAA (Kingston, Canada), J. SHALLIT (Waterloo, Canada), D. WOTSCHKE (Frankfurt, Germany).

The theories of automata, grammars and related formal systems are cornerstones of the theoretical foundations of computer science. Issues concerning the descriptive complexity of such formal systems have an immediate influence on their application to modelling physical systems.

Here 13 of 22 contributions presented at the workshop are published. All papers have passed the customary refereeing procedures of the international program committee and of the journal.

Helmut Jürgensen
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