

Foreword

This volume contains papers selected for presentation at the Silver Jubilee 25th Symposium on Mathematical Foundations of Computer Science — MFCS 2000, held in Bratislava, Slovakia, August 28 – September 1, 2000.

MFCS 2000 was organized under the auspices of the Minister of Education of the Slovak Republic, Milan Ftáčnik, by the Slovak Society for Computer Science, and the Comenius University in Bratislava, in cooperation with other institutions in Slovakia. It was supported by the European Association for Theoretical Computer Science, the European Research Consortium for Informatics and Mathematics, and the Slovak Research Consortium for Informatics and Mathematics.

The series of MFCS symposia, organized alternately in the Czech Republic, Poland, and Slovakia since 1972, has a well-established tradition. The MFCS symposia encourage high-quality research in all branches of theoretical computer science. Their broad scope provides an opportunity of bringing together specialists who do not usually meet at specialized conferences. The previous meetings took place in Jablonna, 1972; Štrbské Pleso, 1973; Jadwisin, 1974; Mariánské Lázně, 1975; Gdańsk, 1976; Tatranská Lomnica, 1977; Zakopane, 1978; Olomouc, 1979; Rydzina, 1980; Štrbské Pleso, 1981; Prague, 1984; Bratislava, 1986; Carlsbad, 1988; Porąbka-Kozubnik, 1989; Banská Bystrica, 1990; Kazimierz Dolny, 1991; Prague, 1992; Gdańsk, 1993; Košice, 1994; Prague, 1995; Kraków, 1996; Bratislava, 1997; Brno, 1998; and Szklarska Poreba, 1999.

The MFCS 2000 conference was accompanied by three satellite workshops taking place at the weekends preceding and following MFCS 2000. These were *Algorithmic Foundations of Communication Networks*, coordinated by M. Mavronicolas; *New Developments in Formal Languages versus Complexity*, coordinated by K.W. Wagner; and *Prague Stringology Club Workshop 2000*, coordinated by B. Melichar.

The MFCS 2000 proceedings consist of 8 invited papers and 57 contributed papers. The latter were selected by the Program Committee from a total of 147 submitted papers. The following program committee members took part in the evaluation and selection of submitted papers (those denoted by * took part at the selection meeting in Bratislava on May 20–21, 2000): M. Broy (Munich), J. Díaz (Barcelona), R. Freivalds (Riga), Z. Fülöp* (Szeged), G. Gottlob (Vienna), B. Jonsson (Uppsala), J. Karhumäki* (Turku), L. Kari (London, Ontario), D. Kozen (Ithaca), M. Křetínský* (Brno), C. Marché (Orsay), A. Marchetti-Spaccamela (Rome), M. Mavronicolas* (Nicosia), B. Monien* (Paderborn), M. Nielsen* (Aarhus, *co-chair*), L. Pacholski* (Wrocław), J.-E. Pin (Paris), B. Rován* (Bratislava, *chair*), J. Rutten* (Amsterdam), P. Ružička* (Bratislava), V. Sassone* (Catania), J. Sgall (Prague), A. Simpson* (Edinburgh), K. Wagner* (Würzburg), I. Walukiewicz* (Warsaw).

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Telenor Slovakia provided Internet connection to the conference site and hosted the MFCS 2000 web page.

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