

Lecture Notes in Computer Science

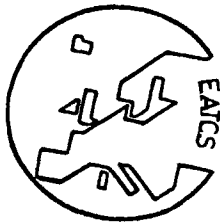
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Automata, Languages and Programming

10th Colloquium

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PREFACE

ICALP-83 is the tenth International Colloquium on Automata, Languages and Programming in a series of meetings sponsored by the European Association for Theoretical Computer Science (EATCS). It is a conference covering all aspects of Theoretical Computer Science, including topics like automata theory, formal language theory, analysis of algorithms, computational complexity, computability theory, mathematical aspects of programming languages definition, semantics of programming languages, program verification, theory of data structure and theory of data bases. The previous meetings have been held in Paris (72), Saarbrücken (74), Edinburgh (76), Turku (77), Udine (78), Graz (79), Amsterdam (80), Haifa (81) and Aarhus (82).

ICALP-83 was organized by the Facultat d'Informàtica de la Universitat Politècnica de Barcelona, and was held in Barcelona from July 18th. to July 22nd. 1983. The organizing committee consisted of X.Berenguer, R.Casas, J.Diaz, F.Orejas and M.Verges.

ICALP-83 celebrate its tenth anniversary with a record of submitted abstracts and draft papers, 178, and a record of accepted papers, 59, that together with the two invited papers made the core of the colloquium. The program committee consisted of G.Ausiello (Roma), J.L.Boasson (Paris), C.Boehm (Roma), W.Brauer (Hamburg), J.Diaz (Barcelona)(chairman), S.Even (Haifa), P.Flajolet (Le Chesnay), E.Garcia Camarero (Madrid), R.Karp (Berkeley), B.Mayoh (Aarhus), K.Melhorn (Saarbrücken), J.Meseguer (Menlo Park), U.Montanari (Pisa), J.Nesetril (Praha), M.Nivat (Paris), C.Pair (Nancy), I.Ramos (Valencia), G.Rozenberg (Leiden), D.Scott (Pittsburgh), J.Ullman (Stanford), L.Valiant (Cambridge). Each paper was sent to at least four program committee members for evaluation. Based on these evaluations a selection committee consisting of G.Ausiello, J.L.Boasson, W.Brauer, J.Diaz, S.Even, P.Flajolet, B.Mayoh, U.Montanari, M.Nivat, I.Ramos, G.Rozenberg and D.Scott selected the papers presented at the conference. We wish to express our gratitude to the members of the program committee and the referees which assisted this process (see next page) for the enormous amount of work they invested in the evaluation process.

ICALP-83 was made possible by the support from a number of sources. We thank the Generalitat de Catalunya, The Spanish Ministry of Education, IBM-Spain, Sperry-Spain and Digital Corporation. We also want to thank the support given by all the members in the secretary of the Facultat d'Informàtica, specially Montserrat Bernat who controlled most of the organizational matters related to the conference.

Josep DIAZ,
ICALP-83

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