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# Distributed Computing

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Proceedings

Volume Editor

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# Preface

DISC, the International Symposium on DIStributed Computing, is an annual forum for presentation of research on all facets of distributed computing, including the theory, design, analysis, implementation, and application of distributed systems and networks. The 20th anniversary edition of DISC was held on September 18-20, 2006, in Stockholm, Sweden.

There were 145 extended abstracts submitted to DISC this year, and this volume contains the 35 contributions selected by the Program Committee and one invited paper among these 145 submissions. All submitted papers were read and evaluated by at least three Program Committee members, assisted by external reviewers. The final decision regarding every paper was taken during the Program Committee meeting, which took place in Beer-Sheva, June 30 and July 1, 2006.

The Best Student Award was split and given to two papers: the paper "Exact Distance Labelings Yield Additive-Stretch Compact Routing Schemes," by Arthur Bradly, and Lenore Cowen, and the paper "A Fast Distributed Approximation Algorithm for Minimum Spanning Trees" co-authored by Maleq Khan and Gopal Pandurangan.

The proceedings also include 13 three-page-long brief announcements (BA). These BAs are presentations of ongoing works for which full papers are not ready yet, or of recent results whose full description will soon be or has been recently presented in other conferences. Researchers use the BA track to quickly draw the attention of the community to their experiences, insights and results from ongoing distributed computing research and projects. The BAs included in this proceedings volume were selected among 26 BA submissions.

DISC 2006 was organized in cooperation with the European Association for Theoretical Computer Science (EATCS), the European Research Consortium for Informatics and Mathematics (ERCIM), and Swedish Institute of Computer Science (SICS). The support of Ben-Gurion University, Microsoft Research, Intel, Sun microsystems, Deutsche Telekom Laboratories is also gratefully acknowledged.

July 2006 Shlomi Dolev

# Organization

DISC, the International Symposium on DIStributed Computing, is an annual forum for research presentations on all facets of distributed computing. The symposium was called the International Workshop on Distributed Algorithms (WDAG) from 1985 to 1997. DISC 2006 was organized in cooperation with the European Association for Theoretical Computer Science (EATCS).


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