

Distributed Computing

24th International Symposium, DISC 2010, Cambridge, MA, USA, September 13-15, 2010, Proceedings

DISC, the International Symposium on Distributed Computing, is an international forum on the theory, design, analysis, implementation and application of distributed systems and networks. DISC is organized in cooperation with the European Association for Theoretical Computer Science (EATCS). This volume contains the papers presented at DISC 2010, the 24th International Symposium on Distributed Computing, held on September 13–15, 2010 in Cambridge, Massachusetts. The volume also includes the citation for the 2010 Edsger W. Dijkstra Prize in Distributed Computing, jointly sponsored by DISC and PODC (the ACM Symposium on Principles of Distributed Computing), which was presented at PODC 2010 in Zurich to Tushar D. Chandra, Vassos Hadzilacos, and Sam Toueg for their work on failure detectors.

There were 135 papers submitted to the symposium (in addition there were 14 abstract-only submissions). The Program Committee selected 32 contributions out of the 135 full-paper submissions for regular presentations at the symposium. Each presentation is accompanied by a fifteen-page paper in this volume. Every submitted paper was read and evaluated by at least three members of the Program Committee. The committee was assisted by more than 120 external reviewers. The Program Committee made its final decisions during the electronic meeting held on June 18–29, 2010. Revised and expanded versions of several selected papers will be considered for publication in a special issue of the journal Distributed Computing.

The program also included three invited lectures by Rachid Guerraoui (EPFL, Switzerland), Barbara Liskov (MIT, USA), and Nitin Vaidya (University of Illinois, USA).

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783642157622

Medium: Buch

ISBN: 978-3-642-15762-2

Verlag: Springer

Erscheinungstermin: 01.09.2010

Sprache(n): Englisch

Auflage: 1. Auflage, 2010

Serie: Theoretical Computer Science and General Issues

Produktform: Kartoniert

Gewicht: 819 g

Seiten: 532

