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Distributed Algorithms

9th International Workshop, WDAG '95
Le Mont-Saint-Michel, France
September 13-15, 1995
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Preface

The Ninth International Workshop on Distributed Algorithms (WDAG'95) took place September 13-15, in Le Mont-Saint-Michel, France. It continued a tradition of successful workshops with a pleasant atmosphere. Earlier workshops in the series were held in:

Ottawa (1985),
Amsterdam (1987, proceedings published by Springer-Verlag, LNCS 312),
Nice (1989, LNCS 392),
Bari (1990, LNCS 484),
Delphi (1991, LNCS 579),
Haifa (1992, LNCS 647),
Lausanne (1993, LNCS 725), and
Terschelling (1994, LNCS 857).

Continuation of the event is supervised by the WDAG Steering Committee, consisting of: D. Dolev (IBM Almaden & Hebrew Univ.); F. Mattern (Univ. Saarlandes); N. Santoro (Carleton Univ.); A. Schiper (EPFL, Lausanne); P. Spirakis (CTI & Univ. Patras); R. Tan (Univ. Oklahoma); G. Tel (Univ. Utrecht); S. Toueg (Cornell Univ.); P. Vitányi (CWI & Univ. Amsterdam); S. Zaks (Technion).

The topics discussed in these meetings cover all aspects of distributed algorithms, including:

algorithms for control and communication,
fault-tolerant algorithms,
network protocols,
protocols for real-time distributed systems,
issues in asynchrony, synchrony and real-time,
algorithms for managing replicated data,
distributed detection of properties,
mechanisms for security in distributed systems,
self-stabilizing algorithms,
wait-free algorithms, and
techniques for the design and analysis of systems.

In response to the call for papers, 48 papers in these areas were submitted (22 from Europe, 15 from North America, 6 from Asia, 2 from Africa, 2 from Australia and 1 from South America). The program committee selected at its meeting on June 8 in Rennes 18 out of these for presentation at the workshop. The selection was based on perceived originality and quality. In addition, D. Dolev, M. Gouda, P. Jayanti and G. Le Lann were invited to give a lecture. M. Gouda, P. Jayanti and G. Le Lann provided tutorial texts which are included in these proceedings.

The program committee for WDAG'95 consisted of:

M. Ahamad (Georgia Tech, Atlanta, USA)
 J. Beauquier (U. of Paris-Sud, Orsay, France)
 J. Brzezinski (Techn. U. of Poznan, Poznan, Poland)
 I. Cidon (Sun Microsystems, Mt. View, CA, USA)
 D. Dolev (Hebrew U., Jerusalem, Israel)
 J.M. Helary (IRISA, Rennes, France, **co-chair**)
 P. Jayanti (Dartmouth College, Dartmouth, USA)
 G. Le Lann (INRIA, Rocquencourt, France)
 K. Marzullo (U. of California at San Diego, USA)
 T. Masuzawa (NAIST, Nara, Japan)
 M. Raynal (IRISA, Rennes, France, **co-chair**)
 A. Schiper (EPFL, Lausanne, Switzerland)
 A. Singh (U. of California at Santa Barbara, USA)
 G. Tel (Utrecht U., Utrecht, Netherlands)
 S. Zaks (Technion, Haifa, Israel)

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France Télécom - CNET,
 Le Conseil Régional de Bretagne, and
 L'Université de Rennes 1

We want to thank everybody who helped to make this workshop possible: the authors for submitting papers, the program committee and referees for their effort in composing the program, the sponsors and Springer-Verlag. We particularly wish to thank INRIA for placing at our disposal the best professional assistance. E. Le-bret and C. Guyot did an excellent job in organizing the workshop and we greatly appreciate the time and trouble M. Hurfin and R. Baldoni took to ensure the success of the workshop.

July 1995

Jean Michel HÉLARY, Michel RAYNAL

List of Referees

The Program Committee wishes to thank the following persons, who acted as referees for WDAG'95:

Mustaque Ahamad	Prasad Jayanti
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