

Preface

The need to evaluate computer and communication systems performance and dependability is continuously growing as a consequence of both the increasing complexity of systems and the user requirements in terms of timing behaviour. The 10th International Conference on Modelling Techniques and Tools for Computer Performance Evaluation, held in Palma in September 1998, was organised with the aim of creating a forum in which both theoreticians and practitioners could interchange recent techniques, tools, and experiences in these areas. This meeting follows the predecessor conferences of this series:

1984 Paris	1988 Palma	1994 Wien
1985 Sophia Antipolis	1991 Torino	1995 Heidelberg
1987 Paris	1992 Edinburgh	1997 Saint Malo

The tradition of this conference series continued this year where many high quality papers were submitted. The Programme Committee had a difficult task in selecting the best papers. Many fine papers could not be included in the program due to space constraints. All accepted papers are included in this volume. Also, a set of submissions describing performance modelling tools was transformed into tool presentations and demonstrations. A brief description of these tools is included in this volume. The following table gives the overall statistics for the submissions.

Country	Submitted	Accepted	Invited	Tool
Argentina	$\frac{4}{5}$			
Brazil	1			
Canada	$4\frac{2}{3}$	$2\frac{2}{3}$		
France	$9\frac{1}{5}$	$2\frac{2}{3}$		$1\frac{1}{3}$
Germany	$8\frac{2}{3}$	4	1	2
India	1			
Ireland	3			
Israel	1			
Italy	$6\frac{1}{6}$	$1\frac{2}{3}$		
Jordan	$\frac{1}{3}$			
Poland	$\frac{2}{3}$			$\frac{2}{3}$
Singapore	1			
Spain	$12\frac{3}{4}$	$3\frac{3}{4}$		1
South Africa	$\frac{1}{2}$	$\frac{1}{2}$		
Sweden	1			
The Netherlands	1	1		
United Kingdom	$3\frac{1}{2}$	$1\frac{1}{2}$		
USA	$12\frac{1}{2}$	7	1	4
Venezuela	$\frac{1}{4}$	$\frac{1}{4}$		
Total	69	25	9	

The papers address important problems from the application and theoretical viewpoints. The sessions Software Performance Tools, Network Performance, Measurement and Modelling Tools, Case Studies, and Software Performance Evaluation Methods contain papers addressing application problems. The sessions Algorithmic Techniques, Petri Net Techniques and MVA Techniques contain papers addressing theoretical aspects of performance evaluation.

It is impossible to close this text without acknowledging the efforts made by several people to help ensure the success of the conference. I express my thanks to

- The Programme Committee members for the task of reviewing papers and selecting the best of them.
- The external reviewers, without whose help the task of the Programme Committee would become impossible.
- The Organising Committee members, all from Universitat de les Illes Balears, without whose dedicated work the conference could not be set up.
- The scientific societies who have co-organised this conference.
- All public and private organisations that have supported the conference in some way (funding, offering services, or lending material).

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