

Table of Contents

Position Paper

Performance Evaluation in Industry: A Personal Perspective	3
<i>Stephen S. Lavenberg, Mark S. Squillante</i>	

I Topical Area Papers

Mainframe Systems	17
<i>Jeffrey P. Buzen</i>	
Performance Analysis of Storage Systems	33
<i>Elizabeth Shriver, Bruce K. Hillyer, Avi Silberschatz</i>	
Ad Hoc, Wireless, Mobile Networks: The Role of Performance Modeling and Evaluation	51
<i>Mario Gerla, Manthos Kazantzidis, Guangyu Pei, Fabrizio Talucci, Ken Tang</i>	
Trace-Driven Memory Simulation: A Survey	97
<i>Richard A. Uhlig, Trevor N. Mudge</i>	
Performance Issues in Parallel Processing Systems	141
<i>Luiz A. DeRose, Mario Pantano, Daniel A. Reed, Jeffrey S. Vetter</i>	
Measurement-Based Analysis of Networked System Availability	161
<i>Ravishankar K. Iyer, Zbigniew Kalbarczyk, Mahesh Kalyanakrishnan</i>	
Performance of Client/Server Systems	201
<i>Daniel A. Menascé, Virgilio A. F. Almeida</i>	
Performance Characteristics of the World Wide Web	219
<i>Mark E. Crovella</i>	
Parallel Job Scheduling: A Performance Perspective	233
<i>Shikharesh Majumdar, Eric W. Parsons</i>	
Scheduling of Real-Time Tasks with Complex Constraints	253
<i>Seonho Choi, Ashok K. Agrawala</i>	

Software Performance Evaluation by Models	283
<i>Murray Woodside</i>	
Performance Analysis of Database Systems	305
<i>Alexander Thomasian</i>	
Performance Analysis of Concurrency Control Methods	329
<i>Alexander Thomasian</i>	
Numerical Analysis Methods	355
<i>William J. Stewart</i>	
Product Form Queueing Networks	377
<i>Simonetta Balsamo</i>	
Stochastic Modeling Formalisms for Dependability, Performance and Performability	403
<i>Katerina Goševa-Popstojanova, Kishor Trivedi</i>	
Analysis and Application of Polling Models	423
<i>Hideaki Takagi</i>	
Discrete-Event Simulation in Performance Evaluation	443
<i>David M. Nicol</i>	
Workload Characterization Issues and Methodologies	459
<i>Maria Calzarossa, Luisa Massari, Daniele Tessera</i>	
<hr/>	
II Personal Accounts of Key Contributors	
<hr/>	
From the Central Server Model to BEST/1©	485
<i>Jeffrey P. Buzen</i>	
Mean Value Analysis: A Personal Account	491
<i>Martin Reiser</i>	
The Early Days of GSPNs	505
<i>Marco Ajmone Marsan, Gianfranco Balbo, Gianni Conte</i>	
The Discovery of Self-similar Traffic	513
<i>Walter Willinger</i>	
Author Index	529



<http://www.springer.com/978-3-540-67193-0>

Performance Evaluation: Origins and Directions

Haring, G.; Lindemann, C.; Reiser, M. (Eds.)

2000, X, 532 p., Softcover

ISBN: 978-3-540-67193-0