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Computer Performance Engineering

5th European Performance Engineering Workshop, EPEW 2008
Palma de Mallorca, Spain, September 24-25, 2008
Proceedings

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Preface

This volume of LNCS contains papers presented at the 5th European Performance Engineering Workshop held in Palma de Mallorca during September 24–25, 2008.

The workshop is truly international; the European part of the title refers only to its location. Papers were submitted from Asia, North and South America, although the majority were from Europe. In all, 39 papers were submitted from which 16 were chosen following peer review. Every member of the Programme Committee was responsible for reviewing at least five papers each in a little over two weeks; a degree of dedication without which the workshop could not be a success. The selection criteria were harsh and by necessity several excellent papers were rejected. However, the result is a programme of the highest quality.

The accepted papers reflect the diversity of modern performance engineering. There were a number of papers presented which tackled theoretical modelling issues in stochastic process algebra, stochastic activity networks, queueing theory and the analysis of Markov chains. Other papers addressed practical problems in communications networks, embedded systems and resource allocation. For the first time at EPEW there was a paper concerning the evaluation of trust. There was also a session on software performance engineering, showing the continued importance of this area within the wider performance community.

We were delighted to have keynote presentations from Boudewijn Haverkort of Twente University and Stephen Gilmore of the University of Edinburgh. These talks reflected the state of performance engineering today. Professor Haverkort presented a personal perspective on 20 years of performance engineering. Dr. Gilmore presented an overview of recent developments in fluid modelling using stochastic process algebra; a powerful approach for modelling large-scale problems in computing and biochemistry.

As Programme Co-chairs we would like to thank everyone involved in making EPEW 2008 a success: Springer for their continued support of the workshop series, the local Organizing Committee, the Programme Committee and reviewers, and of course the authors of the papers submitted, without whom there could not be a workshop. We trust that you, the reader, find the papers in this volume interesting, useful and inspiring, and we hope to see you at future European Performance Engineering Workshops.

July 2008

Nigel Thomas
Carlos Juiz

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