Preface

This volume of LNCS contains the proceedings of the 6th European Performance Engineering Workshop, held at Imperial College London during July 9–10, 2009. This was the first in the EPEW series to be held in the UK, following on from the highly successful workshops that were held in Toledo (2004), Versailles (2005), Budapest (2006), Berlin (2007) and Palma de Mallorca (2008).

As with previous EPEW workshops, the event was supported by submissions from all over the world, including Asia, the Middle East, North America, as well as Europe. There were 33 submissions in total of which 13 were selected for full papers and four as short papers. I would like to commend the diligent efforts of the Programme Committee, who returned a complete set of reviews – four per paper – which is most unusual. This enabled and enhanced the week-long programme discussion which selected the papers presented here.

The papers themselves maintained the tradition of diversity and quality that the European Performance Engineering Workshop has supported throughout. Papers representing the different fields of performance engineering and analysis, were broadly classified by applications, techniques and formalisms. In the applications domain, we had a significant contribution, I believe for the first time, in the modelling of auctions and markets. There were also contributions on hardware modelling of RAID systems, as well as five papers on performance aspects of cellular and fixed-line networks. New techniques presented included a novel approach to mean value analysis, an application of stochastic ordering to queueing networks and an interesting extension of passage-time analysis. Finally, EPEW has always been supported by researchers using or enhancing stochastic formalisms and this year we had: three papers based around the stochastic process algebra, PEPA; a significant extension to tagged customers in generalized stochastic Petri nets; and a paper looking at representation and analysis of generally distributed stochastic systems.

As Programme Chair, I would like to thank everyone involved in making EPEW 2009 a success: Springer for their continued support of the workshop series, the invited speakers, the Programme Committee and reviewers, and of course the authors of the papers submitted, without whom there could not be a workshop. I would particularly like to thank Uli Harder and Maria Vigliotti who worked extremely hard to bring together the LNCS volume and make all the local arrangements a success. We hope 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.

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Jeremy Bradley