Preface

It is our great pleasure to present the proceedings of the 16th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2009) that took place in Madrid.

The conference has become an established annual event in the agenda of the experts of analytical modelling and performance evaluation in Europe and internationally. This year the proceedings continued to be published as part of Springer’s prestigious Lecture Notes in Computer Science (LNCS) series. This is another sign of the growing confidence in the quality standards and procedures followed in the reviewing process and the program compilation.

Following the traditions of the conference, ASMTA 2009, was honored to have a distinguished keynote speaker in the person of Kishor Trivedi. Professor Trivedi holds the Hudson Chair in the Department of Electrical and Computer Engineering at Duke University, Durham, NC, USA. He is the Duke-Site Director of an NSF Industry–University Cooperative Research Center between NC State University and Duke University for carrying out applied research in computing and communications. He has been on the Duke faculty since 1975. He is the author of a well-known text entitled Probability and Statistics with Reliability, Queuing and Computer Science Applications, published by Prentice-Hall, the second edition of which has just appeared. He has also published two other books entitled Performance and Reliability Analysis of Computer Systems, published by Kluwer Academic Publishers, and Queueing Networks and Markov Chains, by John Wiley. He is also known for his work on the modelling and analysis of software aging and rejuvenation.

The conference maintained the tradition of high-quality programs with an acceptance rate of about 40%. The program of ASMTA 2009 comprised 27 high-quality papers organized into 7 sessions. Almost every paper was peer reviewed by three reviewers from the International Program Committee. The reviewers were truly wonderful this year, as well, and in most of the cases the reviews provided valuable comments that contributed to increasing the quality of the final versions of the papers. In many cases, discussion panels were also organized when the reviews were not decisive. We would like therefore to give a special thanks to all the members of the International Program Committee for the excellent work in the reviewing process and the subsequent discussion panels during the selection process.

Keeping the tradition, ASMTA was co-located with the European Conference on Modelling and Simulation, the official conference of the European Council on Modelling and Simulation. This gave the participants of ASMTA a unique opportunity to interact with colleagues from these very relevant and complementary
areas. They also enjoyed the keynote talks delivered by prominent figures in those areas.

The local organizers made every effort to make it a memorable event. For that we give them our sincere thanks and appreciation.

June 2009

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