

Preface

This volume contains the papers presented at ASMTA 2017: the 24th International Conference on Analytical and Stochastic Modelling Techniques and Applications held during July 10–11, 2017, in Newcastle upon Tyne, UK.

Owing to the number of concurrent calls for papers in the field, the number of submissions was considerably smaller than previous years. There were 27 submissions. Each submission was reviewed by, on average, 3.4 Program Committee members. The committee decided to accept 14 papers.

This was the 24th year of ASMTA, which shows a considerable durability in a rapidly evolving field. Over the years ASMTA has been the forum for many important papers investigating the key topics of the day in the area of analytical and stochastic modelling. In this volume we are delighted to have contributions employing a diverse range of analysis techniques, including queueing theoretical results, stochastic Petri nets, proxel-based simulation, stochastic bounds, and reversible Markov chains. The range of topics within a small number of papers is impressive and demonstrates the power of stochastic analysis to tackle challenging problems in complex computer and communication systems.

We would like to take this opportunity to thank those who helped put ASMTA 2017 together, in particular Khalid Al-Begain, without whom ASMTA would not exist. Dieter Fiems was extremely helpful in passing on his experience and in managing the conference website. We would also like to thank our colleagues in Newcastle, Jen Wood and Claire Smith, who helped with practical arrangements and bookings, and our PhD students, who acted as a local support team during the conference. Finally we would like to acknowledge the continued support of Springer in publishing the proceedings and the team at EasyChair for providing comprehensive conference support with no charge.

May 2017

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Analytical and Stochastic Modelling Techniques and
Applications

24th International Conference, ASMTA 2017,
Newcastle-upon-Tyne, UK, July 10-11, 2017,
Proceedings

Thomas, N.; Forshaw, M. (Eds.)

2017, X, 213 p. 65 illus., Softcover

ISBN: 978-3-319-61427-4