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Irina Kochetkova (Eds.)

# Analytical and Stochastic Modelling Techniques and Applications

25th International Conference, ASMTA 2019  
Moscow, Russia, October 21–25, 2019  
Proceedings

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# Preface

This volume contains the papers presented at the 25th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2019), held during October 21–25, 2019, in Moscow, Russia.

Owing to the number of concurrent calls for papers in the field, the number of submissions was considerably smaller than previous years. There were 22 submissions. Each submission was reviewed by three Program Committee members. The committee decided to accept 13 papers.

This was the 25th 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 modeling. In this volume we are delighted to have contributions employing a diverse range of analysis techniques, including queueing theoretical results, reliability of stochastic systems, stochastic network calculus, and wide variety of applications. 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 2019 together, in particular Khalid Al-Begain, without whom ASMTA would not exist, and Konstantin Samouylov, who hosted the conference at RUDN University, Russia. Alexey Khokhlov was helpful in managing the conference website. We would also like to thank our colleagues in Moscow, Darya Ostrikova and Ekaterina Markova, who helped with practical arrangements and bookings, and our PhD and master's 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 2020

Marco Gribaudo  
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