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Alexander Dudin · Anatoly Nazarov
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Information Technologies and Mathematical Modelling

Queueing Theory and Applications

16th International Conference, ITMM 2017

Named After A.F. Terpugov

Kazan, Russia, September 29 – October 3, 2017

Proceedings

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Preface

The series of scientific conferences Information Technologies and Mathematical Modelling (ITMM) was started in 2002. In 2012, the series acquired an international status, and selected revised papers have been published in *Communication in Computer and Information Science* since 2014. The conference series is named after Alexander Terpugov, one of the first organizers of the conference, an outstanding scientist of Tomsk State University, a leader of the famous Siberian school on applied probability, queueing theory, and applications.

Traditionally, the conferences have about 10 sections in various fields of mathematical modelling and information technologies. Throughout the years, the sections on probabilistic methods and models, queueing theory, and communication networks have been the most popular ones at the conference. These sections gather many scientists from different countries. During the last years, we accepted participants from Austria, Azerbaijan, Belarus, Bulgaria, China, Hungary, India, Italy, Kazakhstan, Korea, The Netherlands, Poland, United States. Many of these foreign participants come to this Siberia conference every year because we have a warm acceptance and serious scientific discussions here. This year the conference was held in Kazan, the capital of Tatarstan Republic, whose universities, research institutes and engineering firms are well-known in the world.

This volume presents selected papers from 16th ITMM conference. The papers are devoted to new results in the queueing theory and its applications. It is targeting to be used by specialists in probabilistic theory, random processes, mathematical modelling as well as engineers engaged into logical and technical design and operational management of data processing systems, communication and computer networks.

September 2017

Alexander Dudin
Anatoly Nazarov
Alexander Kirpichnikov

Organization

The conference was organized by the National Research Tomsk State University, Kazan National Research Technological University, Peoples' Friendship University of Russia (RUDN University), Trapeznikov Institute of Control Sciences of Russian Academy of Sciences.

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