

Preface

This volume contains a collection of revised selected full-text papers presented at the 19th International Conference on Distributed Computer and Communication Networks (DCCN 2016), held in Moscow, Russia, November 21–25, 2016.

The conference is a continuation of traditional international conferences of the DCCN series, which took place in Bulgaria (Sofia, 1995, 2005, 2006, 2008, 2009, 2014), Israel (Tel Aviv, 1996, 1997, 1999, 2001), and Russia (Moscow, 1998, 2000, 2003, 2007, 2010, 2011, 2013, 2015) in the past 19 years. The main idea of the conference is to provide a platform and forum for researchers and developers from academia and industry from various countries working in the area of theory and applications of distributed computer and communication networks, mathematical modeling, methods of control and optimization of distributed systems, by offering them a unique opportunity to share their views, discuss prospective developments, and pursue collaborations in this area. The content of this volume is related to the following subjects:

1. Computer and communication networks architecture optimization
2. Control in computer and communication networks
3. Performance and QoS/QoE evaluation in wireless networks
4. Analytical modeling and simulation of next-generation communications systems
5. Queuing theory and reliability theory applications in computer networks
6. Wireless 4G/5G networks, cm- and mm-wave radio technologies
7. RFID technology and its application in intellectual transportation networks
8. Internet of Things, wearables, and applications of distributed information systems
9. Probabilistic and statistical models in information systems
10. Mathematical modeling of high-tech systems
11. Mathematical modeling and control problems
12. Distributed and cloud computing systems, big data analytics

The DCCN 2016 conference gathered 208 submissions from authors from 20 different countries. From these, 141 high-quality papers in English were accepted and presented during the conference, 56 of which were recommended by session chairs and selected by the Program Committee for the Springer proceedings.

All the papers selected for the proceedings are given in the form presented by the authors. These papers are of interest to everyone working in the field of computer and communication networks.

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