

Preface

This volume contains a collection of revised selected full-text papers presented at the 18th International Conference on Distributed Computer and Communication Networks (DCCN-2015), held in Moscow, Russia, October 19–22, 2015.

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) in the last 18 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, to exchange their expertise, and to discuss the perspectives of development and collaboration 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 evaluation in wireless networks
4. Modeling and simulation of network protocols
5. Queueing and reliability theory
6. Wireless IEEE 802.11, IEEE 802.15, IEEE 802.16, and UMTS (LTE) networks
7. FRID technology and its application in intellectual transportation networks
8. Protocols design (MAC, Routing) for centimeter and millimeter wave mesh networks
9. Internet and Web applications and services
10. Application integration in distributed information systems
11. Big data in communication networks

The DCCN 2015 conference received 126 submissions from 164 authors in 16 different countries. From these, 94 submissions were accepted and presented at the conference, 38 of which were recommended by session chairs and selected by the Program Committee for the proceedings, yielding an overall acceptance rate of 40 %.

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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