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Preface

This volume contains papers presented at the 7th International Conference on Mathematical Methods, Models, and Architectures for Computer Network Security (MMM-ACNS 2017) held in Warsaw, Poland during August 28–30, 2017. The conference was organized by Gdansk University of Technology, in cooperation with Binghamton University (State University of New York), USA, and the Polish Association of Telecommunication Engineers (SIT), Poland.

MMM-ACNS 2017 followed six former editions of MMM-ACNS all hosted by St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences (SPIIRAS), RU. MMM-ACNS 2017 provided an international forum for sharing the original results referring to fundamental as well as applied problems in the context of computer network security. Special focus was put on mathematical aspects of information and computer network security.

In all, 40 regular papers submitted to the conference were subject to extensive reviews. Each paper received at least three reviews (and some of them as many as five reviews). Finally, 12 papers were accepted as full papers, and 13 papers as short papers. Approved regular papers were organized into seven technical sessions, namely:

- Critical Infrastructure Protection and Visualization
- Security and Resilience of Network Systems
- Adaptive Security
- Anti-malware Techniques: Detection, Analysis, Prevention
- Security of Emerging Technologies
- Applied Cryptography
- New Ideas and Paradigms for Security

The conference program was enhanced by three invited talks and two keynote speeches (by Dipankar Dasgupta from USA, and Antanas Cenys from Lithuania, accordingly).

The success of the conference was undoubtedly due to the team effort of the organizers, reviewers, and participants. In particular, we would like to acknowledge the individual contributions of the Technical Program Committee members and reviewers. Our sincere gratitude goes to all the participants of the conference as well as to Polish Association of Telecommunication Engineers, SIT, Poland (in particular to Ewa Woroszyło and Mirosław Stando), for their great help in solving the local arrangement issues.

August 2017

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