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Yevgeni Koucheryavy
Jarmo Harju
Villy B. Iversen (Eds.)

Next Generation Teletraffic and Wired/Wireless Advanced Networking

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Volume Editors

Yevgeni Koucheryavy

Jarmo Harju

Tampere University of Technology

Institute of Communication Engineering

P.O.Box 553, 33101 Tampere, Finland

E-mail: {yk, harju}@cs.tut.fi

Villy B. Iversen

Technical University of Denmark, Research Center COM

Building 345v, 2800 Kongens Lyngby, Denmark

E-mail: vbi@com.dtu.dk

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Preface

We welcome you to the proceedings of 6th NEW2AN 2006 (Next Generation Teletraffic and Wired/Wireless Advanced Networking) held in St. Petersburg, Russia.

This year the scientific program contained significant contributions to next-generation teletraffic as concerns traffic characterization, estimation of traffic parameters, and modeling of new services based on real data and experiments. New methods for designing dynamic optimal systems were presented. In particular, issues of quality of service (QoS) in wireless and IP-based multi-service networks were dealt with, as well economical aspects of future networks.

The papers in this volume also provide new contributions to various aspects of networking. The emphasis is on wireless networks, including cellular networks, wireless local area networks, personal area networks, mobile ad hoc networks and sensor networks. Topics cover several layers from lower layers via routing issues to TCP-related problems. New and innovative developments for enhanced signaling protocols, QoS mechanisms and cross-layer optimization are also well represented within the program.

The call for papers attracted 137 papers from 28 countries, resulting in an acceptance ratio of 35%. With the help of the excellent Technical Program Committee and a number of associated reviewers, the best 49 high-quality papers were selected for publication. The conference was organized in 17 single-track sessions.

The Technical Program of the conference benefited from three distinguished keynote speakers: Ian F. Akyildiz, Georgia Tech, Atlanta, USA; Nikolai Nefedov, NOKIA, Helsinki, Finland; and Nina Bhatti, Hewlett-Packard Laboratories, Palo Alto, California, USA.

We wish to thank the Technical Program Committee members and associated reviewers for their hard work and their important contribution to the conference.

This year the conference was organized in cooperation with ITC (International Teletraffic Congress), IEEE, COST 290, with the support of NOKIA (Finland), BalticIT Ltd. (Russia), and Infosim GmbH. (Germany). The support of these organizations is gratefully acknowledged.

Finally, we wish to thank many people who contributed to the NEW2AN organization. In particular, Dipti Adhikari (TUT) carried a substantial load of submission and review website maintaining, Jakub Jakubiak (TUT) did an excellent job on the compilation of camera-ready papers and interaction with Springer. Sergei Semenov (NOKIA) is to be thanked for his great efforts on conference linkage to industry. Many thanks go to Anna Chachina (Monomax Ltd.) for her excellent local organization efforts and the conference's social program preparation.

We believe that the work done for the 6th NEW2AN conference provided an interesting and up-to-date scientific program. We hope that participants enjoyed the technical and social conference program, Russian hospitality and the beautiful city of St. Petersburg.

March 2006

Yevgeni Koucheryavy
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