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Next Generation Teletraffic and Wired/Wireless Advanced Networking

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Preface

We welcome you to the proceedings of seventh NEW2AN 2007 (Next-Generation Teletraffic and Wired/Wireless Advanced Networking) held in St. Petersburg, Russia.

Significant contributions have been made in various aspects of networking in next-generation teletraffic. Presented topics encompassed several layers of communication networks: from physical layers to the transport protocols and modeling of new services. New and innovative developments for enhanced signaling protocols, QoS mechanisms, cross-layer optimization, and traffic characterization were also addressed within the program. In particular, issues of QoS in wireless and IP-based multi-service networks were dealt with, as well as financial aspects of future networks. It is also worth mentioning the emphasis placed on wireless networks, including, but not limited to, cellular networks, wireless local area networks, personal area networks, mobile ad hoc networks, and sensor networks.

The call for papers attracted 113 papers from 29 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 39 high-quality papers were selected for publication. The conference was organized in 13 single-track sessions.

The Technical Program of the conference benefited from two keynote speakers: Rod Walsh, NOKIA, Finland, and Saverio Mascolo, Politecnico di Bari, Italy. Moreover, a panel session on emerging wireless technologies organized and moderated by Alexander Sayenko, NOKIA, Finland, brought the wireless domain of the conference to a new level.

We wish to sincerely thank the Technical Program Committee members and associated reviewers for their hard work and 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) and BalticIT Ltd. (Russia). The support of these organizations is gratefully acknowledged.

Finally, we wish to thank many people who contributed to the NEW2AN organization. In particular, Jakub Jakubiak (TUT) carried a substantial load with submissions and reviews, Web site maintaining, and he did an excellent job in the compilation of camera-ready papers and the interaction with Springer. Sergei Semenov (NOKIA) is to be thanked for his great efforts in conference linkage to industry. Many thanks go to Natalia Zaharova (Monomax Meetings & Incentives) for her excellent local organization efforts and the conference's social program preparation.

We believe that the work done for the seventh NEW2AN conference provided an interesting and up-to-date scientific experience. We hope that all the

participants enjoyed the technical and social conference program, Russian hospitality and the beautiful city of St. Petersburg.

September 2007

Yevgeni Koucheryavy
Jarmo Harju
Alexander Sayenko

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