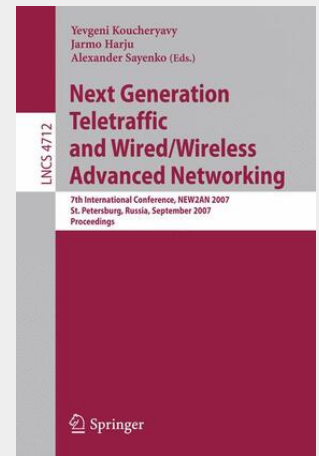


Next Generation Teletraffic and Wired/Wireless Advanced Networking

7th International Conference, NEW2AN 2007, St. Petersburg, Russia, September 10-14, 2007, Proceedings

This book constitutes the refereed proceedings of the 7th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking, NEW2AN 2007. The 39 revised full papers presented were carefully reviewed and selected from a total of 113 submissions. The papers are organized in topical sections on teletraffic, traffic characterization and modeling, 3G/UMTS, sensor networks, WLAN, QoS, MANETs, lower layer techniques, PAN technologies, and TCP.

Welcome 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 theme 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.



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