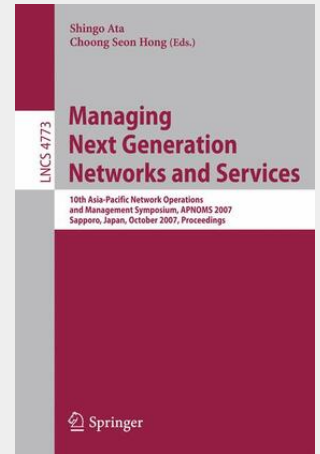


Managing Next Generation Networks and Services

10th Asia-Pacific Network Operations and Management Symposium, APNOMS 2007, Sapporo, Japan, October 10-12, 2007, Proceedings

This book constitutes the refereed proceedings of the 9th Asia-Pacific Network Operations and Management Symposium, APNOMS 2007, held in Sapporo, Japan, October 2007. The 48 revised full papers and 30 revised short papers cover management of distributed networks, network configuration and planning, network security management, sensor and ad-hoc networks, network monitoring, routing and traffic engineering, management of wireless networks and security on wireless networks.

We are delighted to present the proceedings of the 10 Asia-Pacific Network Operations and Management Symposium (APNOMS 2007), which was held in Sapporo, Japan, on October 10–12, 2007. The Organizing Committee (OC) selected the theme of this year's symposium to be "Managing Next Generation Networks and Services." Recently, various convergences in wired and wireless networks, as well as the convergence of telecommunications and broadcastings, have taken place for ubiquitous multimedia service provisioning. For example, broadband IP/MPLS wired networks have been actively converged with IEEE 802.11e wireless LAN, IEEE 802.16 Wireless MAN, 3G/4G wireless cellular networks, and direct multimedia broadcast (DMB) networks. For efficient support of service provisioning for ubiquitous multimedia services on broadband convergence networks, well-designed and complemented network operations and management functions with QoS-guaranteed traffic engineering are essential. This year, the APNOMS call for papers resulted in 161 paper submissions from 24 different countries, which included countries outside the Asia-Pacific region (from Europe, the Middle East, and North and South America). Each paper was carefully reviewed by at least three international experts. Based on review scores and the discussions that followed, APNOMS 2007 Technical Program Committee reached the consensus that 48 high-quality papers (29.8% of the submissions) should be selected as full papers and 30 as short papers. - Accepted papers were arranged into 10 technical sessions and 2 short paper sessions (poster presentations). These sessions focused on the management of distributed networks, network configuration and planning, network monitoring, and especially the area of management of wireless networks and security.



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