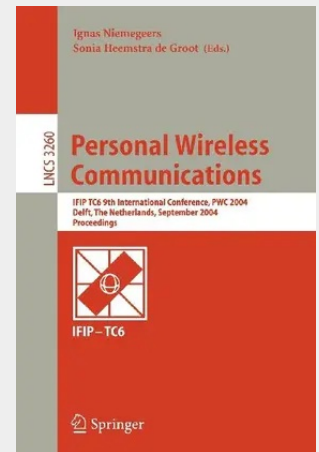


Personal Wireless Communications

IFIP TC6 9th International Conference, PWC 2004, Delft, The Netherlands, September 21-23, 2004, Proceedings

The IFIP TC-6 9th International Conference on Personal Wireless Communications, PWC 2004 is the main conference of the IFIP Working Group 6.8, Mobile and Wireless Communications. The field of personal wireless communications is steadily growing in importance, from an academic, industrial and societal point of view. The dropping cost of WLAN and short-range technologies such as Bluetooth and Zigbee is causing the proliferation of personal devices and appliances equipped with radio interfaces. Together with the gradual deployment of powerful wireless infrastructure networks, such as 3G cellular systems and WLAN hotspots, the conditions are being created for a affordable ubiquitous communication involving virtually any artifact. This enables new application areas such as ambient intelligence where a world of devices, sensors and actuators surrounding us use wireless technology to create systems that assist us in an unobtrusive way. It also allows the development of personal and personalized environments that accompany a person wherever he or she goes. Examples are Personal Area Networks (PAN) physically surrounding a person, and personal networks with a potentially global reach. PWC 2004 reflects these developments, which are happening on a global scale. Researchers from all over the world, and in particular a large number from Asia, made contributions to the conference. There were 100 submissions. After a thorough reviewing process, 25 full papers and 13 short papers were retained for presentation in the technical sessions. The papers cover the whole range of wireless and mobile technologies: cellular systems, WLAN, ad hoc and sensor networks, host and network mobility, transport protocols for wireless systems, and the physical layer.

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106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540231622
Medium: Buch
ISBN: 978-3-540-23162-2
Verlag: J.B. Metzler
Erscheinungstermin: 07.09.2004
Sprache(n): Englisch
Auflage: 1. Auflage 2004
Serie: Lecture Notes in Computer Science
Produktform: Kartoniert
Gewicht: 1530 g
Seiten: 482
Format (B x H): 155 x 235 mm

