

Wireless Ad Hoc Networking: Personal-Area, Local-Area, and the Sensory-Area Networks (Wireless Networks and Mobile **Communications**)

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Wireless Ad Hoc Networking: Personal-Area, Local-Area, and the Sensory-Area Networks (Wireless Networks and Mobile Communications) From **Brand: Auerbach Publications**

The rapid progress of mobile, wireless communication and embedded microsensing MEMS technologies has brought about the rise of pervasive computing. Wireless local-area networks (WLANs) and wireless personal-area networks (WPANs) are now common tools for many people, and it is predicted that wearable sensor networks will greatly improve everyday life as we know it.

By integrating these technologies into a pervasive system, we can access information and use computing resources anytime, anywhere, and with any device. Wireless Ad Hoc Networking: Personal-Area, Local-Area, and the Sensory-Area Networks covers these key technologies used in wireless ad hoc networks. The book is divided into three parts, each providing self-contained chapters written by international experts. Topics include networking architectures and protocols, cross-layer architectures, localization and location tracking, time synchronization, QoS and real-time, security and dependability, applications, modeling and performance evaluation, implementation and experience, and much more.

The book is novel in its single source presentation of ad hoc networking and related key technologies and applications over the platforms of personal area, sensory area, and local area networks. It is a valuable resource for those who work in or are interested in learning about the pervasive computing environment.



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