



Dynamic Ad Hoc Networks Iet Telecommunications

By Habib F. Rashvand

The Institution of Engineering and Technology. Hardcover. Condition: New. 504 pages. Dimensions: 9.6in. x 6.3in. x 1.3in. Dynamic Ad-Hoc Networks is a compilation of key research papers and contributions from experts and researchers in the field considers that under the Ad-Hocbased distributed systems, we can envision a whole new emerging distributed style of features that have never been experienced before. Motivated by a new exciting application paradigm using both internet and wireless technologies, Ad-Hoc networking and its association with emerging technologies is discussed across a range of systems ranging from surveillance systems up to road traffic control systems. Improved features of Ad-Hoc networking are discussed in this book to lead the way for new approaches for higher reliability, security, energy efficiency and application-specific optimized performance. The book is organized into four interrelated parts: Concepts and Principles; Networking Techniques; Ad-Hoc Network Management; and Applications of Ad-Hoc Networking. Examples are supported by a variety of algorithms. Dynamic Ad-Hoc Networks features three areas of new advanced solutions; advancements in Mobile Ad Hoc Networks (MANET), Vehicular Adhoc Networking (VANET) and distributed sensor systems (DSS), specific networking topologies such as Mesh, WLAN, WiMAX and Vehicular-to-Vehicle Communication and ad-hoc specific networking solutions such as network control, routing...



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