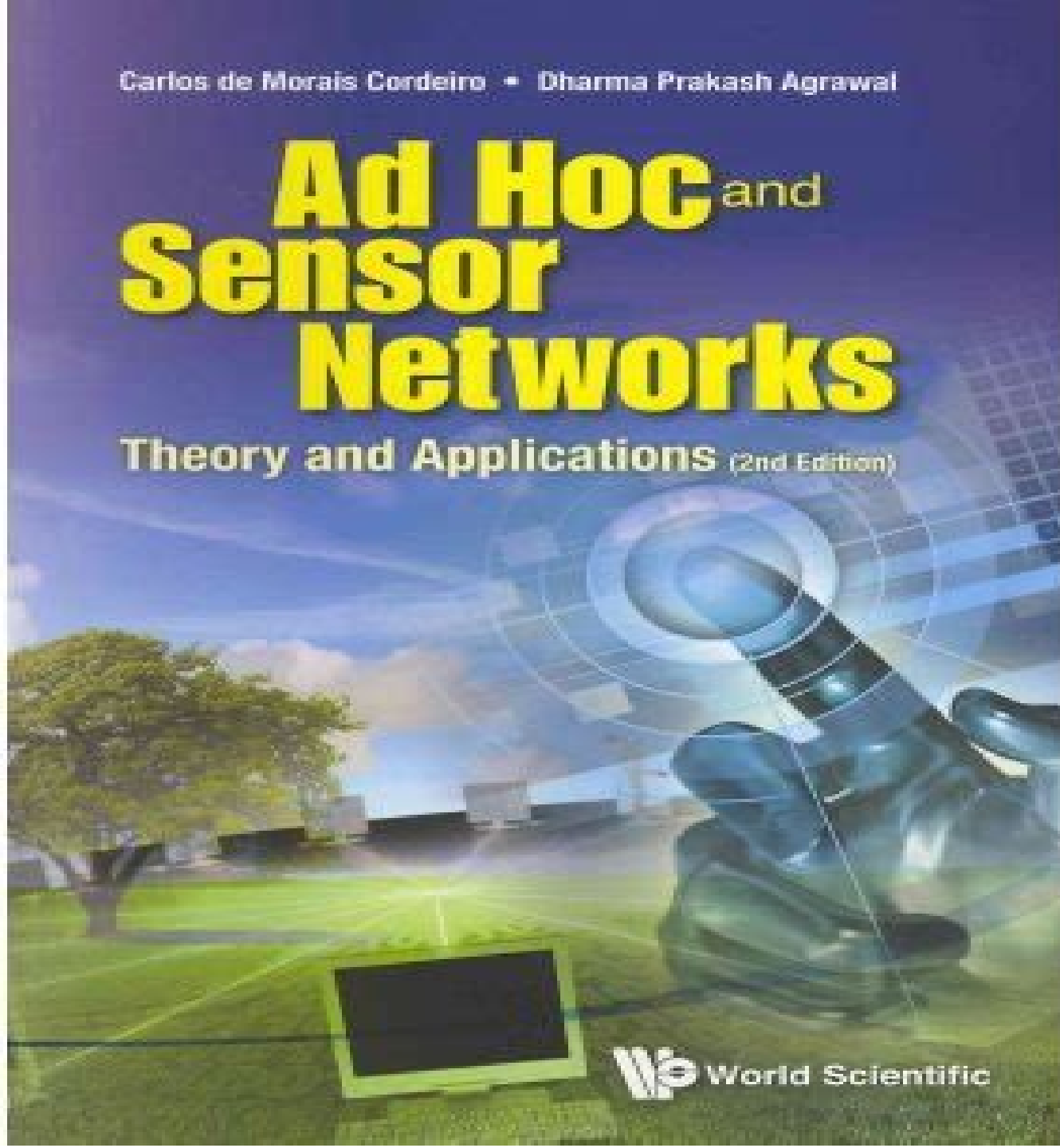


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Ad Hoc and Sensor Networks

Theory and Applications (2nd Edition)



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Ad Hoc Sensor Networks Theory And Applications

Mangey Ram,J. Paulo Davim



Ad Hoc Sensor Networks Theory And Applications:

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Ad Hoc And Sensor Networks Dharma Prakash Agrawal,2006 Wireless Ad Hoc and Sensor Networks Xiangyang Li,2008 An overview of the various approaches and insights required to understand and optimize wireless ad hoc and sensor network performance

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Wireless Ad Hoc and Sensor Networks Xiang-Yang Li,2008-06-30 If you have to understand and optimize the performance of wireless ad hoc and sensor networks this explanation provides you with the information and insights you need It delivers an understanding of the underlying problems and the techniques to develop efficient solutions and maximize network performance Taking an algorithmic and theoretical approach Li dissects key layers of a wireless network from the physical and MAC layers covering the IEEE 802 11 and 802 16 protocols and protocols for wireless sensor networks and Bluetooth through to the network routing layer In doing so he reviews the practical protocols formulates problems mathematically solves them algorithmically and then analyses the performance Graduate students researchers and practitioners needing an overview of the various algorithmic graph theoretical computational geometric and probabilistic approaches to solving problems in designing these networks will find this an invaluable resource Additional resources for this title are available online at www.cambridge.org 9780521865234

Performance Analysis of Cellular and Ad-hoc Sensor Networks Hebatallah Shoukry,2020

Wireless Sensor Networks and Energy Efficiency: Protocols, Routing and Management Zaman, Noor,Ragab, Khaled,Abdullah, Azween Bin,2012-01-31 This book focuses on wireless sensor networks and their operation covering topics including routing energy efficiency and management

Advances in Reliability and System Engineering Mangey Ram,J. Paulo Davim,2016-11-30 This book presents original studies describing the latest research and developments in the area of reliability and systems engineering It helps the reader identifying gaps in the current knowledge and presents fruitful areas for further research in the field Among others this book covers reliability measures reliability assessment of multi state systems optimization of multi state systems continuous multi state systems new computational techniques applied to multi state systems and probabilistic and non probabilistic safety assessment

Handbook on Sensor Networks Yang Xiao,Hui Chen, Frank Haizhon Li,2010 Sensor networks have many interesting applications with great utility however their actual deployment and realization rely on continuous innovations and solutions to many challenging problems Thus sensor networks have recently attracted the attention of many researchers and practitioners The compilation of the Handbook on Sensor Networks will meet the demand of the sensor network community for a comprehensive reference and summary of the current state of the area The Handbook on Sensor Networks is a collection of approximately 40 chapters on sensor network theory and applications The book spans a wide spectrum and includes topics in medium access control routing security and privacy coverage and connectivity modeling and simulations multimedia energy efficiency localization and tracking design and implementation as well as sensor network applications

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