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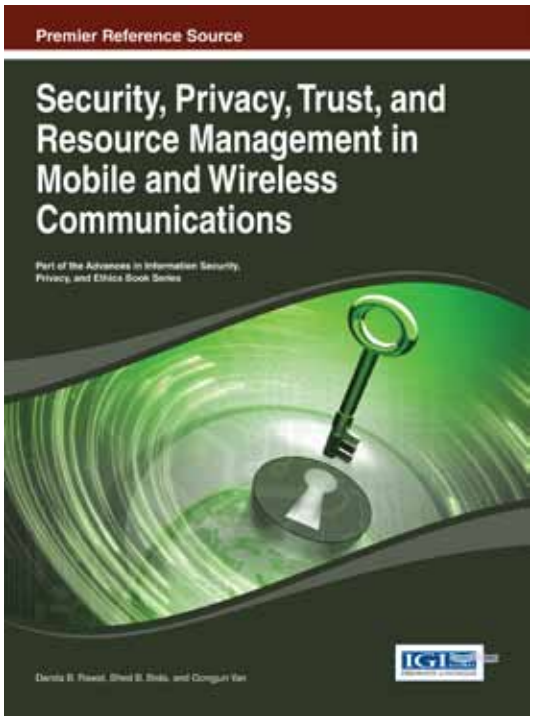
Security, Privacy, Trust, and Resource Management in Mobile and Wireless Communications



Part of the Advances in Information Security, Privacy, and Ethics Book Series

Danda B. Rawat (Georgia Southern University, USA),
Bhed B. Bista (Iwate Prefectural University, Japan), and
Gongjun Yan (University of Southern Indiana, USA)

While security is of vital importance to ensure the integrity of communications in wireless and mobile networks, most businesses which rely on these networks expect a high level of security and privacy to ensure the integrity and confidentiality of communications among terminals, networks, applications, and services.

Security, Privacy, Trust, and Resource Management in Mobile and Wireless Communications examines the current scope of theoretical and practical applications on the security of mobile and wireless communications. This book covers fundamental concepts of current issues, challenges, and solutions in wireless and mobile networks and will serve as a reference for graduate students, professors, and researchers in this emerging field.

Topics Covered:

- Resource Management
- Collaboration Computing Systems
- Design and Analysis of Cryptographic Algorithms
- Economics of Privacy and Security
- Privacy, Trust, and Security Architectures and Protocols
- Web and Web Services Security
- Wireless Access Networks

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Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners. Ideal for classroom use.

Danda B. Rawat received his Ph.D. in Electrical and Computer Engineering from Old Dominion University, USA. He is currently with the Department of Electrical Engineering at Georgia Southern University. His research focuses on wireless communication systems and networks. His current research interests include design, analysis, and evaluation of cognitive radio networks, vehicular ad hoc networks, wireless sensor networks, telecommunication networks, network security, and cyber physical systems. He has published over 65 scientific papers on these topics. He has served as a Lead Guest Editor, Guest Editor, Editor and Editorial Board Member for several international journals in the area of wireless communication systems and networks. He has also served as a workshop chair and session chair for numerous international workshops and conferences, and served as a technical program committee member for several international conferences including IEEE GLOBECOM, GreenCom, WCNC and VTC conferences. He is the recipient of the Best Paper Award at the International Conference on Broadband and Wireless Computing, Communication & Applications 2010 (BWCCA 2010) among others. He has previously held an academic position at Eastern Kentucky University, Old Dominion University and Tribhuvan University. He is a Senior Member of IEEE and a member of ACM.

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