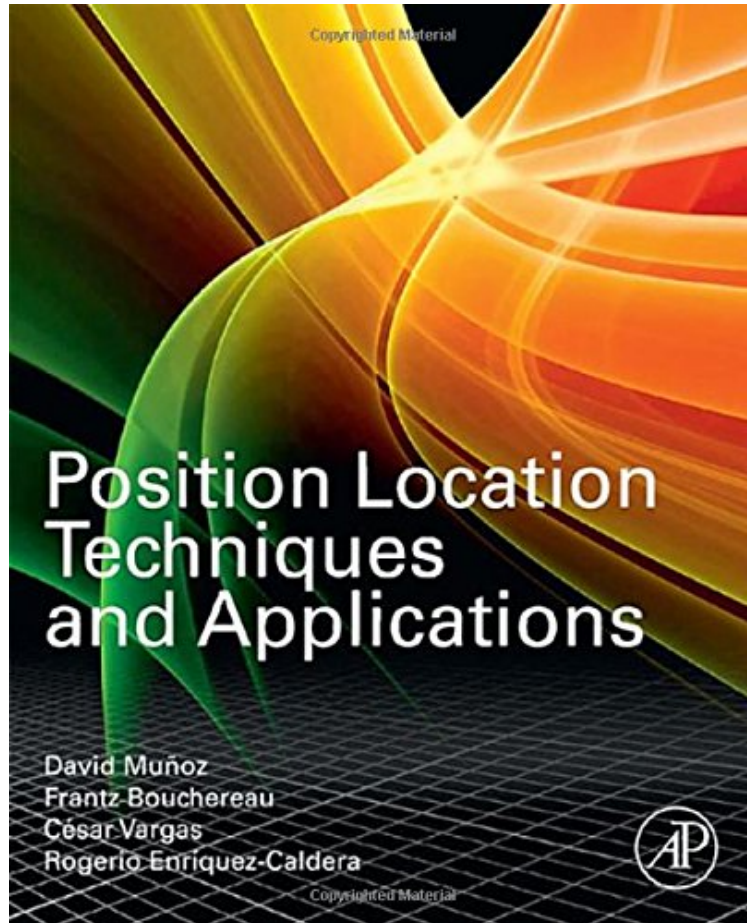


Position Location Techniques and Applications

David Munoz, Frantz Bouchereau Lara, Cesar Vargas, Rogerio Enriquez-Caldera
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David Munoz, Frantz Bouchereau Lara, Cesar Vargas, Rogerio Enriquez-Caldera : Position Location Techniques and Applications before purchasing it in order to gauge whether or not it would be worth my time, and all praised Position Location Techniques and Applications:

0 of 0 people found the following review helpful. Like it By Elsa Torres This is one of the best books for Telecom Engineers. It is one of the books that will help me on my Ph.D. thesis.

This book is the definitive guide to the techniques and applications of position location, covering both terrestrial and satellite systems. It gives all the techniques, theoretical models, and algorithms that engineers need to improve their current location schemes and to develop future location algorithms and systems. Comprehensive coverage is given to system design trade-offs, complexity issues, and the design of efficient positioning algorithms to enable the creation of high-performance location positioning systems. Traditional methods are also reexamined in the context of the challenges posed by reconfigurable and multihop networks. Applications discussed include wireless networks (WiFi, ZigBee, UMTS, and DVB networks), cognitive radio, sensor networks and multihop networks. Features Contains a

complete guide to models, techniques, and applications of position location Includes applications to wireless networks, demonstrating the relevance of location positioning to these "hot" areas in research and development Covers system design trade-offs and the design of efficient positioning algorithms, enabling the creation of future location positioning systems Provides a theoretical underpinning for understanding current position location algorithms, giving researchers a foundation to develop future algorithms David Muoz is Director and Cesar Vargas is a member of the Center for Electronics and Telecommunications, Tecnológico de Monterrey, Mexico. Frantz Bouchereau is a senior communications software developer at The MathWorks Inc. in Natick, MA. Rogerio Enrquez-Caldera is at Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE), Puebla, Mexico. Contains a complete guide to models, techniques and applications of position location Includes applications to wireless networks (WiFi, ZigBee, DVB networks), cognitive radio, sensor networks and reconfigurable and multi-hop networks, demonstrating the relevance of location positioning to these hot areas in research and development Covers system design trade-offs, and the design of efficient positioning algorithms enables the creation of future location positioning systems Provides a theoretical underpinning for understanding current position location algorithms, giving researchers a foundation to develop future algorithms

"Overall, this book has a wider potential audience than communications engineers. Anyone involved in scanners, such as medical ultrasound instruments or robotic world-map builders for autonomous mobile vehicles, will have a possible interest in this book because the authors present their material in tutorial form, making it possible to benefit from the basic principles without being a communications specialist."--EN-Genius Network