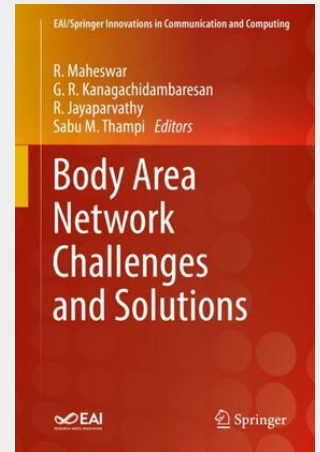


Body Area Network Challenges and Solutions

This book provides a novel solution for existing challenges in wireless body sensor networks (WBAN) such as network lifetime, fault tolerant approaches, reliability, security, and privacy. The contributors first discuss emerging trends of WBAN in the present health care system. They then provide possible solutions to challenges inherent in WBANs. Finally, they discuss results in working environments. Topics include communication protocols of implanted, wearable and nano body sensor networks; energy harvesting methodologies and experimentation for WBAN; reliability analysis and fault tolerant architecture for WBAN; and handling network failure during critical duration. The contributors consist of researchers and practitioners in WBAN around the world.

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106,99 €

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030008642

Medium: Buch

ISBN: 978-3-030-00864-2

Verlag: Springer International Publishing

Erscheinungstermin: 24.01.2019

Sprache(n): Englisch

Auflage: 1. Auflage 2019

Serie: EAI/Springer Innovations in Communication and Computing

Produktform: Gebunden

Gewicht: 436 g

Seiten: 157

Format (B x H): 160 x 241 mm

