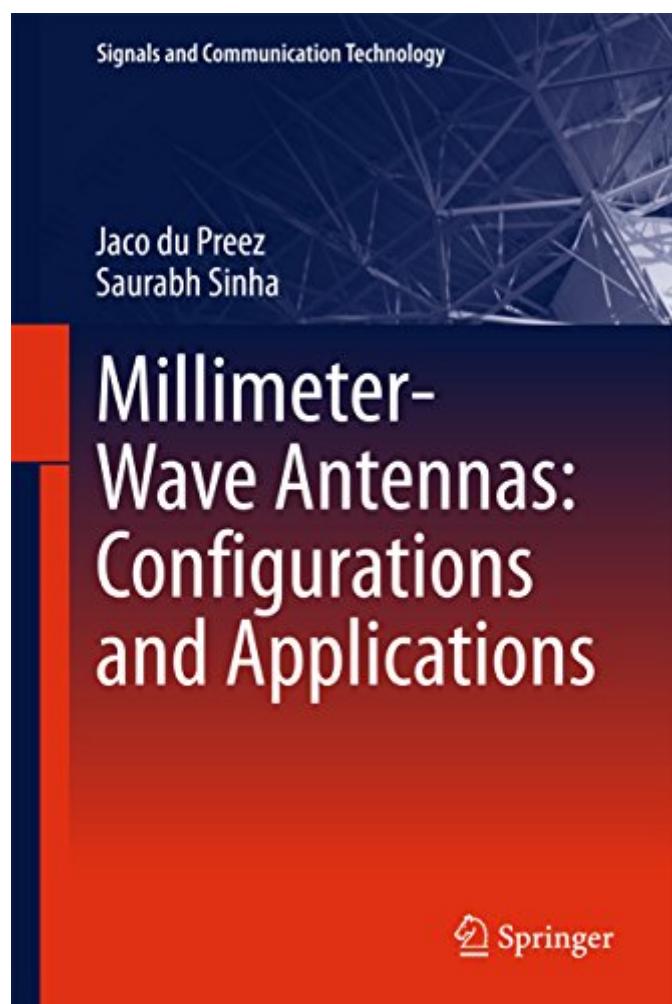


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# Millimeter-Wave Antennas: Configurations And Applications (Signals And Communication Technology)



## Synopsis

This book comprehensively reviews the state of the art in millimeter-wave antennas, traces important recent developments and provides information on a wide range of antenna configurations and applications. While fundamental theoretical aspects are discussed whenever necessary, the book primarily focuses on design principles and concepts, manufacture, measurement techniques, and practical results. Each of the various antenna types scalable to millimeter-wave dimensions is considered individually, with coverage of leaky-wave and surface-wave antennas, printed antennas, integrated antennas, and reflector and lens systems. The final two chapters address the subject from a systems perspective, providing an overview of supporting circuitry and examining in detail diverse millimeter-wave applications, including high-speed wireless communications, radio astronomy, and radar. The vast amount of information now available on millimeter-wave systems can be daunting for researchers and designers entering the field. This book offers readers essential guidance, helping them to gain a thorough understanding based on the most recent research findings and serving as a sound basis for informed decision-making.Â

## Book Information

File Size: 1935 KB

Print Length: 155 pages

Publisher: Springer; 1st ed. 2016 edition (June 20, 2016)

Publication Date: June 20, 2016

Language: English

ASIN: B01HCKCW24

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,346,415 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #102 inÂ Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Antennas #296 inÂ Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits #767 inÂ Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics

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