


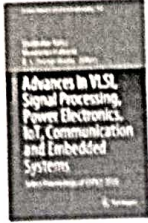


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Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems pp 169-186

Microstrip Patch Antenna Analysis for 5G Millimeter-Wave Communication: A Survey

H. V. Pallavi , A. P. Jagadeesh Chandra & Paramesha

Conference paper | First Online: 11 April 2021

320 Accesses

Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 752)

Abstract


The millimetre-wave band offers a large bandwidth and hence can be considered for the high-speed communication in 5G networks. The microstrip patch antennas are highly recommended for 5G wireless application because their inexpensive fabrication, less weight and without any difficulty operated at microwave frequencies. In this survey, a comparative analysis of different configuration of microstrip patch antennas is discussed for both the single-element antenna and an array element. The parameters considered for the analysis of the patch



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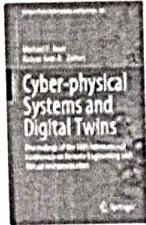

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International Conference on Remote Engineering and Virtual Instrumentation
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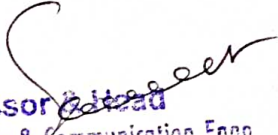
Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 80)

Abstract

The unprecedented growth in Internet technologies has created revolutionary changes in the use of collaborative learning tools with remote experimentation. These tools enhance the experiential learning aspects of engineering education. Laboratory experiments are integral part of science and engineering education. Automation is changing the nature of these laboratories, and the focus of the system designer is on the availability of various interfacing tools to access the

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