



electronics



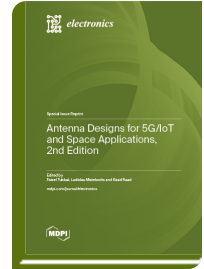
Special Issue Reprint

Antenna Designs for 5G/IoT and Space Applications, 2nd Edition

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This reprint intends to shed some light on recent advances in antenna design for these new emerging applications and identify further research areas in this exciting field of communications technologies. Considering the specificity of the operational environment, e.g., huge distance, moving support (satellite), huge temperature drift, small dimensions with respect to distance, etc., antennas are fundamental devices that allow us to maintain a constant interoperability between ground stations and satellites or different satellites. Their high gain, stable performances (in terms of temperature and time), and long lifecycle are some of the requirements that necessitate special attention with respect to standard designs. The chapters of this reprint discuss various aspects of the above-mentioned list, presenting the view of the authors. Some of the contributors work strictly in the field (space), so they have a very targeted view of these subjects, while others with a more academic background propose futuristic solutions. We hope that interested readers will find a fertile source of information that, combined with their interest/background, will allow them to efficiently exploit the combination of these two perspectives.



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