



3D Printed Antennas

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

With the blooming of wireless technologies for communications, radars and sensors, demand for different kinds of sophisticated and robust antennas is increasing exponentially. Conventional two-dimensional printed antennas have difficulty to satisfy those stringent requirements on size, bandwidth and radiation pattern. Although the dielectric resonator antenna and magneto-electric dipole, which have a three-dimensional structure allow more degrees of freedom in design, their antenna structure cannot be made too complicated as limited by conventional fabrication capability. With the availability of 3D printing, it opens up the possibility of fabricating complex antenna structures at low cost for achieving special electrical and mechanical characteristics, fulfilling the demand of highly sophisticated antennas for the 5G and future wireless systems. Papers on, but not limited to, the design of novel high performance antennas and arrays based on 3D-printing and efficient techniques for developing 3D printed antennas are invited.





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Message from the Editor-in-Chief

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