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## 5G Antennas

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### Message from the Guest Editors

The 5G communication technology is not just an evolution of the 4G network because it has completely different technical characteristics. Indeed, it has been designed to have wide bandwidth, increased data rate, and lower latency through different approaches for managing communications, different frequencies, different antennas, and different data transmission techniques. 5G aims to improve wireless services' flexibility and enable new opportunities for society and businesses. In the near future, it is expected to deal with machines capable of performing smart actions, connected stadiums, ports, and airports, and sensors that collect data and process it in real-time, offering useful information as feedback in an automatic control system. 5G is progressing, but it is not exploiting all its potential yet. It brings new challenges for the physical infrastructure designers in which the antennas play a key role.

- MIMO
- beamforming
- efficiency
- capacity
- 5G technology
- wireless applications
- bandwidth



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**Special** Issue



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