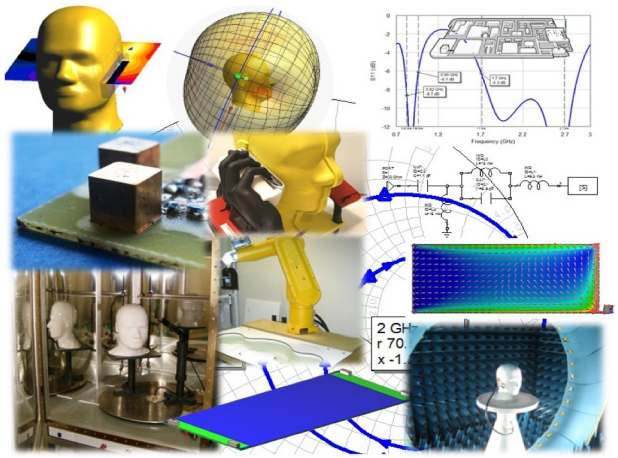
IEEE Open Journal of Antennas and Propagation

## IEEE OJAP Special Section on "Small and Multiband Antennas for Wireless Communications"

**Submission deadline:** 31 August 2020



**Aims & Scope:** Wireless communications is finding its way in all aspects of our daily lives due to the numerous advantages that can be achieved. Wireless connectivity will allow continuous monitoring, tracking and data processing leading to smart decision making and fast response. Thus, we will be having sensors, tracking systems, smart meters/factories/agricultural systems and many other applications. To effectively achieve wireless connectivity and communication, a relevant player is needed that transmits and receives data: the antenna. The objective of the present special section in the IEEE OJAP is to present the latest advances in the field of small and multiband antennas for wireless communications and design challenges on how to face the design of small and multiband antennas in these new scenarios. In particular, the special section wants to attract papers dealing with the latest advances in antenna analysis, synthesis, design, integration on/for complex platforms, novel materials and structures, active antennas and fabrication in the range of 0.5GHz to 6GHz where most of wireless standards including the new IoT one are covered. Also, review papers are welcome.

**Potential topics** include but are not limited to the following:

- Small, miniaturized and multiband antennas
- Antennas for smart devices: meters, tracking
- Reconfigurable antennas
- Multi-band MIMO antenna systems
- Active multi-band antenna systems
- Antenna design on/for complex platforms as well as complex scenarios (implantable or body-worn antennas)
- Electromagnetic design automation tools
- New materials/metamaterials and fabrication procedures for multi-band operation

**Keywords:**

1. Small and Multiband
2. Reconfigurable
3. IoT antennas
4. Multi-port
5. Chip, dielectric, embedded
6. Sensors
7. Active antennas

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