# Special Issue

# Antenna Array Processing for Wireless Power Transfer

### Message from the Guest Editor

In recent years, much progress has been made towards the realization of Tesla's dream of Wireless Power Transfer (WPT). Different technologies have been proposed, and are already used, to feed electronic devices by using electromagnetic propagation to transfer power from a source. Smartphones or RFID tags are the most visible applications around us, but we are about to see many more. Antenna arrays are one of the most promising technologies being explored to concentrate power onto predefined spots: Near-Field Focusing, 3D shaping, NF beamforming, among others, are techniques that have been shown to transfer energy from a source to a given device in an efficient way. New techniques, design methodologies, algorithms or ideas are welcome to provide the next step in this fascinating topic. The topics of interest include, but are not limited to:

- WPT technologies;
- Array architectures for efficient WPT;
- Design methodologies and algorithms for WPT arrays;
- Experimental validation of WPT;
- Implementation of antenna arrays for WPT;
- Digital NF beamforming in the framework of WPT;
- Other antenna array-based WPT related topics.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2021)

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## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Editor-in-Chief

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