

## Special Issue on **Wireless Power Transmission and Its Applications**

# CALL FOR PAPERS

Wireless power transmission (WPT) and its applications have been an increasingly attractive topic due to its convenience, affordability, and cleanliness. Many applications of wireless power transfer have emerged for charging automobiles, mobile phones, medical devices, robots, sensors, and space vehicles. The wireless power transfer not only is used directly as a primary power source but can also recharge batteries as an alternative power source. However, there are still challenging issues to be addressed including power level, transmission line distance, and safety.

Therefore, the special issue would like to address current and future technology in terms of antenna design, applications, sensors, new concepts, and safety. All accepted papers of the special issues will be published by the International Journal of Antennas and Propagation. No subscription is needed. All interested readers are able to freely access the journal online at <https://www.hindawi.com/journals/ijap/contents/>.

Potential topics include but are not limited to the following:

- ▶ Concepts, schemes, and antenna design for wireless power delivery
- ▶ Device development and test results of transmitters
- ▶ Novel receiver technologies (e.g., vertical junction PV cells and plasmonics)
- ▶ Novel transmitter technologies (e.g., TWTs, Klystrons, and RF generators)
- ▶ Emerging applications and potential of WPT
- ▶ Sensors and probes
- ▶ Modeling, simulation, and control of WPT systems
- ▶ Joint communication-power integrated system
- ▶ Research on environment impacts and safety

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/ijap/wpta/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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### **Submission Deadline**

Friday, 13 October 2017

### **Publication Date**

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