



Call for Papers: Chipless Technologies

A Special Issue of *Wireless Power Transfer*

The ‘chipless’ concept appeared during the 1940s and immediately pushed two relevant applications. The most well-known is ‘identification friend or foe’ (IFF) and the second is a piece of spying history: the wireless microphone developed by L. Theremin of Russia and used as a spying device for many years.

Nowadays chipless technology is being increasingly developed. It exhibits huge advantages in terms of cost, reliability and robustness. In addition, chipless devices are essentially passive and battery-less and, therefore, are very relevant to a large variety of applications in several domains, among them traceability, identification, labelling, transportation, ticketing, banknotes, sensing and ultimately Internet of Things. Despite these unique features, chipless technology is still in its infancy and worldwide much research is being conducted to turn chipless devices into real solutions for everyday life.

To promote the development of chipless technology and celebrate a milestone in the progress of the technology, we have planned a special issue on ‘chipless technology’ to be published in the *Wireless Power Transfer* journal.

Topics of interest include, but are not limited, to the following:

- Encoding techniques of chipless devices
- Chipless sensors and chipless sensor networks
- Sensitive material for chipless sensors
- Reconfigurable chipless devices
- 3D chipless devices
- Low-cost chipless devices
- Wearable chipless devices
- Chipless device readers
- Chipless technology based localization
- Anti-collision techniques for chipless devices
- Historical development of chipless technology

Visit <http://journals.cambridge.org/wpt> to submit your paper

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Camera ready final manuscript submission deadline: June 30, 2015

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