



WPTC 2013

IEEE Wireless Power Transfer Conference 2013
Technologies, Systems and Applications

May 15 - 16, 2013 Perugia - Italy

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Since 2010, after Qi standard of an inductive coupling wireless power transmission was established, WPT related technologies experienced a great growth: wireless charging products of a mobile phone with Qi standard are manufactured and sold in US and Japan in 2011. Some car manufacturers have started to invest in the resonant coupling WPT in 2011. In Japan, a commercial rectenna, rectifying antenna for a receiver of microwave power transmission, is produced in 2011. A new technical committee (TC), MTT-26, for the field of wireless energy/power transmission, energy harvesting/conversion to wireless transfer and the related technologies was officially launched in June MTT ADCOM/TCC meeting during Microwave Week 2011 at Baltimore. The second IEEE MTT-S International Microwave Workshop Series (IMWS) on Innovative Wireless Power Transmission: Technologies, Systems, and Applications (IMWS-IWPT2012) was successfully finished with 60 technical papers presented and 138 attendees at Kyoto, Japan, in May 2012.

As a result of this success and interest, IEEE-MTT Society decided to transform this event in a permanent conference representative of MTT scientific community activity in the field. 2013 event, still stimulated and supported by TC-MTT-26 and endorsed by TC-MTT-24 (RFID-Technologies), will be held for the first time in Europe, with the name: Wireless Power Transfer Conference (WPTC), hosted by the University of Perugia, Italy.

Technical areas

The technical areas of the conference are:

1. Basic technologies for wireless power transfer systems
 - 1.1. Magnetic induction
 - 1.2. Resonance coupling
 - 1.3. Microwave transmission
 - 1.4. Coils, resonators, and antennas
 - 1.5. Other theoretical or experimental studies
2. Applications of wireless power transfer technologies
 - 2.1. Home/Industrial-appliances
 - 2.2. Electric vehicles
 - 2.3. RF-ID and electronic tags
 - 2.4. SPS and space/aeronautic applications
 - 2.5. Other applications
3. Power sources for wireless power transfer systems
 - 3.1. High-frequency power amplifiers
 - 3.2. High-efficiency power sources (switching power supply, oscillator, ...)
 - 3.3. Power devices (GaN, silicon, tube, etc.)
4. Rectifying devices, circuits, and rectennas
 - 4.1. Rectifying devices
 - 4.2. High-efficiency rectifying circuits
 - 4.3. Rectennas
5. Standardization, regulation, and biological effects
 - 5.1. Standards and regulation (frequency, safety, emissions limits, ...)
 - 5.2. Biological effects of electromagnetic fields
6. Energy harvesting and scavenging
 - 6.1. Devices and techniques for energy harvesting and scavenging
 - 6.2. Applications of energy harvesting and scavenging
7. Others





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Venue

“Aula Magna dell’Università per Stranieri”, Piazza Fortebraccio, 06122, Perugia, Italy

Web site

<http://www.ieee-wptc2013.unipg.it>

Important dates

Submission opens (max 4pages):	October 12, 2012
Submission deadline:	January 12, 2013 EXTENDED: January 19, 2013
Notification of Acceptance:	March 2, 2013
Final manuscript Due (max 4 pages):	April 1st, 2013
Conference Date:	May 15-16, 2013

- All prospective authors will be notified as to whether their paper was accepted or rejected for publication by E-mail within February 23, 2013.
- Accepted papers will appear in the WPTC-2013 conference proceedings and will be included in IEEE Xplore.
- Note that at least one of the authors of accepted papers must attend the conference to present its paper.
- The WPTC-2013 Prize will be given to the winners selected by the WPTC-2013 Award Committee from all the participants presenting the paper at the conference.

PAPER SUBMISSION MUST BE RECEIVED BY ~~JANUARY 12~~, JANUARY 19, 2013

Abstract Guidelines: Authors are invited to submit no more than four-page abstract in English. The abstract should explain clearly the content and relevance of the proposed technical contribution. The abstract will be peer-reviewed. On a separate page the following information has to be listed: (1) Title of the paper, (2) Author(s), affiliation(s), (3) Mailing address of corresponding author, (4) Presenting author, (6) Topic of Session.

Please use On-Line-Submission site and instructions (easily accessible from the conference web site) to submit your contribution.

Registration Fee

PRESENTING AUTHORS MUST PRE-REGISTER BY April 27, 2013 (Only pre-registered articles will appear in the final Technical Program and Xplore.

	IEEE members	Non IEEE members	Students & life members
Early registration (by March 23)	325 USD	385 USD	85 USD
Late (by April 27) & on site registration (cash only)	385 USD	455 USD	110 USD

Gala dinner lunches and coffee breaks

Conference regular registration includes: gala dinner, 4 coffee breaks and 2 lunch buffets

Gala dinner is not included in student registration

Gala dinner tickets are available for guests and students at the price of 65 USD

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