



WPTC 2013

IEEE Wireless Power Transfer Conference 2013
Technologies, Systems and Applications

May 15 - 16, 2013 Perugia - Italy

Conference Chair

Luca Roselli (University of Perugia)

Technical Program Committee Chair

Federico Alimenti (University of Perugia)

TPC Members

Ikuo Away (Ryutech Crporation)
Nuno Borges Carvalho (University of Aveiro)
Debabani Choudhury (Intel Corporation)
Ana Collado (CTTC, Spain)
Alessandra Costanzo (Unv. of Bologna)
Giorgio Franceschetti (Univ. of Napoli)
Ken-ichi Fujimaki (Sony)
Luca Gammaitoni (University of Perugia)
Apostolos Georgiadis (CTTC)
Yahei Ishikawa (Murata Manufact. Co., Ltd.)
Toshio Ishizaki (Ryukoku Univ.)
Tatsuo Itoh (UCLA)
Masaaki Kuzuhara (University of Fukui)
Hai-Young Lee (Ajou University)
Jenshan Lin (University of Florida)
Andrea Massa (University of Trento)
Milos Mazanek (University of Prague)
Junji Miyakoshi (Kyoto University)
Amir Mortazawi (University of Michigan)
Kenjiro Nishikawa (Kagoshima University)
Koichi Ogawa (Toyama University)
Zoya Popovic (University of Colorado)
Andrea Rosani (University of Trento)
Peter Russer (Technical University of Munich)
Tomohiro Seki (NTT)
Satoshi Shimokawa (Fujitsu Laboratory)
Naoki Shinohara (Kyoto University)
Hiroki Shoki (Toshiba co.)
Ken Takei (Hitachi, Ltd.)
Manos Tentzeris (Georgiatech)
Fujino Yoshiyuki (NICT)

Award Committee Chair

Mauro Mongiardo (University of Perugia)

Local Arrangement Chair

Paolo Mezzanotte (University of Perugia)

General Affair Chair

Marco Dionigi (University of Perugia)

Publication and Website Chair

Valeria Palazzari (University of Perugia)

Finance Chair

Paolo Carbone (University of Perugia)

Advisory Committee

Shigeo Kawasaki (MTT-26 chair)
George Ponchak (MTT ADCOM member)
Zoya Popovic (TPRC-SC on WPT chair)
Luca Roselli (1st IEEE-WPT chair)
Thomas Ussmueller (MTT ADCOM member)

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





WPTC 2013

IEEE Wireless Power Transfer Conference 2013
Technologies, Systems and Applications

May 15 - 16, 2013 Perugia - Italy

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**
 Notification of Acceptance: **March 2, 2013**
 Camera Ready Due (max 4 pages): **March 23, 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, 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 March 23, 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

Contact: Paolo Mezzanotte: paolo.mezzanotte@diei.unipg.it

