



IEEE WPTC 2016

WIRELESS POWER TRANSFER CONFERENCE



Aveiro @ Portugal

05-06 May 2016

Call for Papers

The new paradigm for radio technology is moving towards delivering energy through wireless means. This is driving industry to propose solutions for the mass market in a fast way. These approaches reflect the considerable growth in research and development of technologies for Wireless Power Transfer. In response, a new technical committee of the IEEE MTT Society (MTT-26) was formed in 2011 that focuses on wireless energy/power transmission, energy harvesting/conversion and related technologies. Following a successful meeting in Kyoto, Japan in 2012 (IMWSIWPT2012), a new conference on wireless powering, rotating between Europe, Asia and North America, started in Perugia, Italy in 2013 and was followed by WPTC2014 in Jeju, Korea and WPTC2015 in Boulder, USA. The 2016 WPT conference will be held in Aveiro, Portugal, supported by TC-MTT-26 and hosted by Instituto de Telecomunicações, Dpt. of Electronics, Telecommunication and Informatics (DETI), Universidade de Aveiro. The meeting is intended to cover a broad range of areas related to devices, components, systems and applications of WPT across the electromagnetic spectrum.

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International Advisory Committee

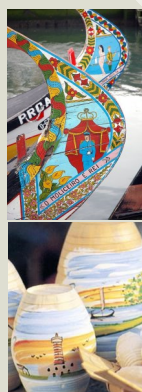
Joungho Kim (KAIST), Naoki Shinohara (Kyoto University), Shigeo Kawasaki (JAXA), Luca Roselli (University of Perugia), Peter Russer (Technical Univ. of Munich), Alessandra Costanzo (Univ. of Bologna), Zoya Popovic (Univ. Colorado), Tom Brazil (Univ. Col. Dublin), Thomas Ussmueller (Univ. Innsbruck), Arne Jacob (Tec. Univ. Hamburg), Jenshan Lin (Univ. Florida), Debabani Choudhury (Intel), Manos Tentzeris (Georgia Tech), George Ponchak (NASA)

TPC Members (list not final)

Federico Alimenti (Univ. of Perugia), Nuno Borges Carvalho (University of Aveiro), Debabani Choudhury (Intel Corporation), Ana Collado (CTTC), Apostolos Georgiadis (CTTC), Jenshan Lin (University of Florida), Kang Yoon Lee (Sungkyunkwan University), Mauro Mongiardo (Univ. of Perugia), Johannes Russer (Technical Univ. of Munich), Naoki Shinohara (Kyoto University)

Manos Tentzeris (Georgia Tech), Yoshiyuki Fujino (NICT), Young Jin Park (KERI), Arpesi Pier Giorgio (SELEX), Alex TAKACS (LAAS-CNRS), Hendrik Rogier (Univ. Ghent), Diego Masotti (Univ. Bologna), Damienne Bajon (ISAE), Raida Zbynek (Brno Univ. of Tec.), Jorge Fernandes (Univ. Lisboa), Tomohiro Seki (OMRON)

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telecomunicações e informática





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Technical areas

1. Technologies for wireless power transfer systems
 - Near-field (inductive, resonant) power transfer
 - Microwave transmission and beaming
 - Coils, resonators, and antennas
 - Power management and power electronics for WPT
 - EMC/EMI, Shielding
2. Power transmitters and receivers for wireless power transfer systems
 - High-frequency power transmitters and devices
 - High-efficiency rectifying circuits and devices
 - Rectennas and rectenna arrays
 - Devices and techniques for energy harvesting and scavenging
3. Applications of wireless power transfer technologies
 - Mobile and personal devices
 - Home/Industrial-appliances
 - Electric vehicles
 - RF-ID and electronic tags
 - SPS and space/aeronautic applications
 - Medical and biological devices
 - Standardization, regulations and biological effects
4. Other device, system or application topics
 - DC-DC converters with WPT interaction
 - Power Conditioning
 - Power Control Methods

www.wptc2016.org

Venue: Instituto de Telecomunicações ,
Universidade de Aveiro, Portugal

Important dates: Deadline for Submission of Preliminary Paper:

February 6, 2016

Submission Guidelines: Authors are invited to submit no more than four -page paper in English. The paper should explain clearly the content and relevance of the proposed technical contribution. The paper will be peer-reviewed. Please use the On-Line-Submission system.

Deadline for Submission of Preliminary Paper: February 6, 2016

Notification of Acceptance: March 12, 2016

Deadline for Submission of Final Paper: April 5, 2016

Conference Date: May 5-6, 2016

Accepted papers will appear in the WPTC-2016 conference proceedings and will be submitted for publication in IEEE Xplore.

A WPTC-2016 Prize will be given to the Best Conference Paper , selected by the WPTC-2016 Awards Committee



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