



WPW 2019

Wireless Power Week

IEEE MTT-S Wireless Power Transfer Conference (WPTC) &
IEEE PELS Workshop on Emerging Technologies: Wireless Power (WoW)
www.wpw2019.org

London, 17-21 June 2019

**Imperial College
London**

Conference co-chairs:
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TU/e Technische Universiteit
Eindhoven
University of Technology

Important dates

Paper submission 25/1/2019

Paper notification 15/3/2019

Final papers due 26/4/2019

Technical topics

Track 1 (WoW1): Technologies for Wireless Power Transfer Systems

- Near-field (inductive, resonant) power transfer
- Power management and power electronics
- Coils, resonators, ferrites, modelling, simulation and design
- Static and dynamic wireless charging
- Directional and omni-directional wireless power transfer

Track 2 (WoW2/WPTC1): Applications of Wireless Power Transfer and Energy Harvesting

- Mobile and personal devices
- Home/industrial applications
- Engineering wireless power into roadways
- Biomedical implants and medical devices
- Standardization, regulations and biological effects
- Economic benefits from wireless power transfer

Track 3 (WPTC2): Transmitters, Receivers, Circuits and Systems for Wireless Power Transfer and Energy Harvesting

- Coil and antenna design
- Microwave transmission and beaming
- High-frequency AC-DC rectifier circuits
- Rectennas and rectenna arrays
- RFID and electronic tags
- Integrated circuits for Wireless Power Transfer and energy harvesting systems

Track 4 (WoW3/WPTC3): Devices, Systems and Technologies Related to Wireless Power Transfer and Energy Harvesting

- Environmental and health effects
- EMC/EMI, shielding and co-existence of wireless power and signal transfer
- Internet of Things (IoT) and 5G
- Efficiency improvement techniques
- Wide bandgap device components and circuits