



#### CONFERENCE CHAIRS:

Paul D. Mitcheson (WoW) and Hubregt J. Visser (WPTC)

#### TPC CHAIRS:

WOW: Grant Covic & David C. Yates,  
WPTC: Alessandra Costanzo & Bart Smolders

#### WPTC EXCOM 2018

Ke Wu (Polytech, Montreal),  
Naoki Shinohara (Kyoto University),  
Alessandra Costanzo (Univ. of Bologna),  
Nuno Carvalho (University of Aveiro),  
Dominique Schreurs (University of Leuven),  
Hubregt J. Visser (Eindhoven University of Technology),  
Maurizio Bozzi (University of Pavia),  
Naoki Shinohara (Kyoto University)

#### WoW STEERING COMMITTEE:

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Liu-Chen Chang (University of New Brunswick),  
Yaow-Ming Chen (National Taiwan University),  
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Udaya Madawala (The University of Auckland),  
Chris Mi (San Diego State University),  
Paul Mitcheson (Imperial College London),  
Chun T. Rim (Gwangju Institute of Science and Technology),  
Michael Chi K. Tse (The Hong Kong Polytechnic University)

#### Society Meetings & Conference Chairs

MTT-S: Maurizio Bozzi (University of Pavia),  
PELS: Luchen Chang (University of New Brunswick)

## Wireless Power Week

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

London, 17-21 June 2019

Imperial College  
London

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/WPTC1): 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/WPTC2): 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 (WPTC3): 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/WPTC4): 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