

IEEE Seminar on WPT systems

Organized in cooperation: Warsaw Univ. of Technology – Technical Univ. Munich – Ł-IEL Warszawa

29 October 2019 (Ł-IEL)

8:15 Start from Hotel MDM by IEL Bus to the **Institute of Electrical Engineering (Ł-IEL)**

Presentations by Technical University of Munich (TUM)

9:15 – 9:30 Introduction – Prof. Ralph Kennel

9:30 – 9:45 "Overview on the WPT project perspectives and research interests at TUM EAL" – Dr. Stephan Eder

9:45 – 10:20 "Wireless Power Transfer – One single transmitter for multiple pickups" – Prof. Zhen Zhang

10:20 – 10:40 "Feasibility study of WPT for motor drive" – PhD-Stud. Mohamed Abdelrahem

10:40 – 11:15 "WPT - history, principle, challenges and state of the art" - PhD-Stud. Simon Nigsch

11:15 – 11:30 Coffee break

11:30 – 11:50 "Dynamic wireless charging of vehicles" - Dr. Stephan Eder

11:50 – 12:10 "Active Phase Shifting Technique for DC/DC Resonant Converters used in WPT Applications" – Malvika Kamat

12:10 – 12:30 "Zero Voltage Switching (ZVS) in bidirectional Wireless Power Transfer (WPT) systems" - Milos Ivanovic

Presentations by Polish Guests

12:30 – 13:00 "Multicoil WPT systems" - Dr Krystian Frania, Silesian University of Technology, Gliwice

13:00 – 14:00 Lunch

Presentations by Ł-IEL

14:15 – 14:30 "Review of IPT research in Ł-IEL" – Dr Artur Moradewicz

14:30 – 14:45 "Bidirectional IPT systems" – Dr Rafał Miśkiewicz

14:45 – 15:00 "IPT for dynamic charging" – PhD-Stud. Patryk Anczewski

15:00 – 15:15 Discussion and Summary

15:15 – 15:30 Coffee break

15:30 – Laboratory visit (Dr Artur Moradewicz and Dr Marcin Parchomiuk)

Ca 16:30 start to Hotel MDM by Ł-IEL bus

30 October 2019 (WUT – ISEP)

9:30 – 12:00 Laboratory visit at WUT (Prof. M. Malinowski, Prof. J. Rąbkowski, Prof. G. Iwański)

12:00 – Lunch and End of Seminar