Profesor Emil Levi z Liverpool John Moores University (UK) wygłosi 15 godzin wykładów na Wydziale Elektrotechniki i Automatyki w ramach programu „Integrated Programme of Development of Gdansk University of Technology”

Tematyka wykładów dotyczyć będzie napędów wielofazowych zasilanych przekształtnikowo, a dokładnie: „**Multiphase drive and generation systems**”.

Termin i miejsce wykładów: **4-8 listopad 2019**, sala seminaryjna w laboratorium **Linte2** (budynek przy ul. Sobieskiego – 1 piętro).
Wykłady prowadzone w godzinach: **9.15-12.00**.

Prof. Emil Levi received his Dipl. Ing. Degree from the University of Novi Sad, Yugoslavia in 1982 and his MSc and the PhD degrees in Electrical Engineering from the University of Belgrade, Yugoslavia in 1986 and 1990, respectively. From 1982 till 1992 he was with the Dept. of Electrical Engineering, University of Novi Sad. He joined Liverpool John Moores University, UK in May 1992 and is since September 2000 Professor of Electric Machines and Drives. He served as a Co-Editor-in-Chief of the IEEE Trans. on Industrial Electronics in the 2009-2013 period and is currently Editor-in-Chief of the IET Electric Power Applications and an Editor-in-Chief of the IEEE Trans. on Industrial Electronics (2019-2021 term). He is a Fellow of the IEEE and the recipient of the Cyril Veinott award of the IEEE Power and Energy Society for 2009 and the Best Paper award of the IEEE Trans. on Industrial Electronics for 2008. He is also a recipient of the European Power Electronics (EPE) Association “Outstanding Achievement Award” for 2014 and “Professor Istvan Nagy Award” of the Power Electronics and Motion Control (PEMC) Council for 2018. **Prof. Levi jest obecnie edytorem w czasopismach: IEEE Trans. on Industrial Electronics oraz IET Electric Power Applications.**

Tematyka wykładów:

1. Multiphase Machines: Types, Applications and Modelling
2. Vector Control of Multiphase Machines
3. PWM Control of Multiphase Two-level Voltage Source Inverters
4. Multilevel Inverter Supply of Multiphase Drive Systems
5. Multiphase Multi-motor Drives with Single Inverter Supply
6. Torque Enhancement by Low-order Stator Current Harmonic Injection
7. Fault-tolerant Operation of Multiphase Machines
8. Multiphase Generation Systems
9. Integrated On-board Battery Chargers for EVs
10. Other Uses of Additional Degrees of Freedom