



Technical University of Lodz, Institute of Electrical Power Engineering (TULodz)

Technical University of Lodz

The Technical University of Lodz is one of the biggest in Poland with approximately 20,000 students and about 1,550 academic staff members. The University consists of 10 Faculties, which then are divided into departments and institutes. The Institute of Electrical Power Engineering is a part of the Faculty of Electrical, Electronic, Computer and Control Engineering. The main research activity encompasses: power quality, power plant operation optimization, renewable energy sources, distributed generation, electricity markets, power system modeling and simulation, short-circuit currents in power system, optimization of lighting networks and devices. In the field of education the Faculty of Electrical, Electronic, Computer and Control Engineering provides different types of master and bachelor degree studies. The Institute offers postgraduate courses in up-to date problems of electrical power engineering, e.g. power quality, energy markets, etc.



TU Lodz is currently involved in research concerning PQ analysis, network modeling (including networks with DER) and is a partner in the DERlab project. The TU Lodz researchers organize the cyclic International Conference “Electrical Power Quality and Utilization”. They also edit the periodical “EPQU” concerning PQ issues. The results of their research activities have been published in IEEE and IEE magazines and have also been presented on International Conferences (e.g. ICHQP).

Laboratory of Distributed Generation in Łódź, Poland

Laboratory of Distributed Generation serves for testing the integration of distributed generation with the distribution power networks. The laboratory network is built based on the model of the distribution MV / LV network with a nominal power of 70 kVA. Using the crossing panel one can build multiple variants of the low voltage network arrangement with all the devices interconnected to any node. An additional device installed in the crossing panel can perform one, two or three-phase short-circuit for a specified duration causing different voltage dips and enabling testing.



More information can be found at www.p.lodz.pl/en.

Adress:

Technical University of Lodz
Institute of Electrical Power Engineering
18/22 Stefanowskiego Str.
90-924 Lodz, POLAND

Contact persons:

Piotr Gburczyk
Irena Wasiak

piotr.gburczyk@p.lodz.pl
irena.wasiak@p.lodz.pl