

Report about lecture given by prof. dr Jovica V. Milanović, held on December/22/2017.

Technical meeting; Meeting lecture title “Power Quality in Power Electronics Empowered Transmission Networks” was held from 13:00 to 14:45 on December/22 at Electrical Engineering institute “Nikola Tesla” at Belgrade in the room 211. The lecture was within the IEEE Distinguished Lecturer Program.

Main lecturer: Prof. dr Jovica V Milanovic

Technical meeting moderator: dr Žarko S. Janda, Chapter Chair

The topic is timely and influence of new power electronic devices on the network was presented. This presentation focused on one aspect of operation of future power systems, namely power quality. It discussed assessment of power quality in power systems with large proliferation of and reliance on power electronics interfaced devices, transmission networks in particular, and presented methodology (and results) developed as part of the work on EU H2020 Project MIGRATE. It also discussed options for global assessment of power quality using single “all inclusive index” considering that different buses in the network may be exposed to different level of different power quality disturbances/phenomena.



The meeting and lecture was attended by 24 participants, 5 of them were IEEE Members, 21 researchers and 3 from industry.

KEY WORDS: Power Quality, Power Electronics, Transmission Networks