

Dr. habil. eng. Paweł Pijarski, associate professor

Invited lecture

Operation of the power system under conditions of high generation in RES

- selected problems and challenges -

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Faculty of Electrical Engineering, Mechanical Engineering
and Naval Architecture (FESB) - A104

Abstract: The increasing number of RES connected and planned to be connected to the power grid contributes to the emergence of various problems. This causes the need to use advanced mathematical methods to eliminate them. The use of appropriate methods will allow for the postponement of necessary grid modernizations, limiting their associated costs and scope. With such tools, operators will be able to effectively and quickly eliminate existing threats. These various issues will be presented using selected problems and challenges from the perspective of the Polish power system.

Biography: Dr. habil. eng. Paweł Pijarski, associate professor. Since 2005, he has been working at the Department of Power Engineering at the Faculty of Electrical Engineering and Computer Science at the Lublin University of Technology in Poland. His scientific interests are related to the analysis and assessment of the operating conditions of the power system, as well as metaheuristic optimization methods. He is a member of the IEEE.