

Irena Wasiak

graduated from the Technical University of Lodz (TULodz), Poland, where she received the M.Sc., Ph.D. and D.Sc. degrees in electrical power engineering. Presently she is an associate professor at the TULodz and the Head of Division of Electrical Power Microsystems and Consumer Networks at the Institute of Electrical Power Engineering. She is the co-editor of the Editorial Board of “Electrical Power Quality and Utilisation” (EPQU) Journal and the co-chairman of international EPQU Conference.

Her research work concerns distributed generation, microsystems, power supply quality and modelling and simulation of power systems operation. She is the leader or research team member in national and international projects. She has published more than 90 technical and scientific papers in journals and conference proceedings. She is the member of IET and Power Quality and Utilisation Committee of the Association of Polish Electrical Engineers SEP.

e-mail: irena.wasiak@p.lodz.pl

affiliation: Institute of Electrical Power Engineering, Technical University of Lodz, 18/22 Stefanowskiego St., 90-924 Lodz, Poland



List of some publications from last years

1. Wasiak I., Hanzelka Z.: Integration of Distributed Energy Sources with Electrical Power Grid. Bulletin of the Polish Academy of Sciences: Technical Sciences, vol. 57, No. 4, 2009
2. Mieński R., Pawełek R., Wasiak I., Gburczyk P.: Monitoring and Control Systems for Testing Microgrids Operation on the Example of Laboratory of Distributed Generation at the Technical University of Lodz, 10th IEEE International Conference on Electrical Power Quality and Utilisation, 15–17 September, Lodz, (Poland), <http://ieeexplore.ieee.org>
3. Handbook of Power Quality. Ed. Baggingi A. John Wiley & Sons Ltd., 2008, pp. 618, ISBN 978-0-470-06561. Wasiak I.: Chapt. 6. Voltage and Current Unbalance, pp. 163-185
4. Wasiak I., Thoma M., Foote C., Mieński R., Pawełek R., Gburczyk P., Burt G: A Power-Quality Management Algorithm for Low-Voltage Grids With Distributed Resources. IEEE Transactions on Power Delivery, Vol. 23, No. 2, April 2008, pp. 1055- 1062
5. Pawełek R., Gburczyk P., Wasiak I.: Analysis of current distortion of the unsteady non-linear loads. IEEE 13th International Conference on Harmonics and Quality of Power, Wollongong (NSW), Australia, 28.09 – 1.10. 2008
6. Mieński R., Pawełek R., Gburczyk P., Wasiak I., Degner T.: DER Laboratory in the Institute of Electrical Power Engineering of the Technical University of Lodz. IEEE 13th International Conference on Harmonics and Quality of Power, Wollongong (NSW), Australia, 28.09 – 1.10. 2008
7. Pawełek R., Gburczyk P., Mienski R., Wasiak I.: Transfer of Electromagnetic Disturbances between Networks. Proceedings of the 6th International Scientific and Technical Conference on Efficiency and Power Quality of Electrical Supply of Industrial Enterprises, Mariupol (Ukraine), 21-23.05.2008, s. 31- 35
8. Pawełek R., Gburczyk P., Wasiak I.: Harmonics and interharmonics analysis of the unsteady non-linear loads current. 5th International Conference on Power Systems, Control, Quality and Efficiency of Utilisation, Blagoveschensk (Rosja), 24-26. 10. 2008
9. Wasiak I., Mieński R., Pawełek R., Gburczyk P.: Application of DSTATCOM compensators for mitigation of power quality disturbances in low voltage grid with distributed generation. 9th International Conference on Electrical Power Quality and Utilisation, Barcelona (Spain), 9-11. 10. 2007
10. Mieński R., Pawełek R., Wasiak I.: Shunt compensation for power quality improvement using a STATCOM controller: modeling and simulation. IEE Proceedings - Generation, Transmission & Distribution, vol. 151, No.2, March 2004
11. Mieński R., Pawełek R., Wasiak I., Gburczyk P., Foote C., Burt G., Espie P.: Power Quality Improvement in LV Network Using Distributed Generation. IEEE 11th International Conference on Harmonics and Quality of Power, Lake Placid (USA), September 12-15, 2004
12. Mieński R., Pawełek R., Wasiak I., Gburczyk P., Foote C., Burt G., Espie P.: Voltage Dip Compensation in LV Networks Using Distributed Generation. IEEE 11th International Conference on Harmonics and Quality of Power, Lake Placid (USA), September 12-15, 2004

13. Wasiak I., Mieński R., Pawełek R., Gburczyk P.: Power Quality Control in the Low Voltage Network with Distributed Generation. Conference on The European Electricity Market EEM-04. Challenge of the Unification, Lodz (Poland), September 20 – 22, 2004, ss. 173 – 181
14. Mieński R., Pawełek R., Wasiak I.: Control Algorithm for the 12-pulse SVC. IEEE 10th International Conference on Harmonics and Quality of Power, Rio de Janerio (Brazil), 6-9.10.2002
15. Mieński R., Pawełek R., Wasiak I.: Simulation Method for Designing Compensation Equipment Applied for Power Quality Improvement. IEEE 10th International Conference on Harmonics and Quality of Power, Rio de Janerio (Brazil), 6-9.10.2002