

### **Air-core inductive current sensor for fast transients measurements in distribution networks**

**Kütt, Lauri; Järvik, Jaan; Kilter, Jako;** Shafiq, Muhammad; Lehtonen, Matti PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 249-252 : ill [https://www.researchgate.net/publication/261507011\\_Air-core\\_inductive\\_current\\_sensor\\_for\\_fast\\_transients\\_measurements\\_in\\_distribution\\_networks](https://www.researchgate.net/publication/261507011_Air-core_inductive_current_sensor_for_fast_transients_measurements_in_distribution_networks)

### **Analysis and prototyping of a low-speed small scale permanent magnet generator for wind power applications**

Lepa, Erko; **Kilk, Aleksander** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 41-46 : ill <https://ieeexplore.ieee.org/document/6256193>

### **Analysis of electricity meters under distorted load conditions**

**Haas, Ats; Niitsoo, Jaan; Taklaja, Paul; Palu, Ivo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 281-284 : ill <https://ieeexplore.ieee.org/document/6256239>

### **Analysis of protection and control functions of low voltage part of substation for smart grid applications**

**Mägi, Marek; Peterson, Kristjan; Pettai, Elmo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 297-304 : ill <https://ieeexplore.ieee.org/document/6256243>

### **Analysis of the eccentricity in a low-speed slotless permanent-magnet wind generator**

**Kallaste, Ants; Belahcen, Anouar; Kilk, Aleksander; Vaimann, Toomas** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 47-52 : ill <https://ieeexplore.ieee.org/document/6256199>

### **Contemporary and future aspects of cost effective power quality monitoring - position paper of CIGRE WG C4.112**

Meyer, Jan; **Kilter, Jako** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 83-88 : ill <https://ieeexplore.ieee.org/abstract/document/6256208/similar#similar>

### **Detection of broken bars in frequency converter fed induction motor using Park's vector approach**

**Vaimann, Toomas; Belahcen, Anouar;** Martinez, Javier; **Kilk, Aleksander** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 53-56 : ill [https://www.researchgate.net/publication/261051228\\_Detection\\_of\\_broken\\_bars\\_in\\_frequency\\_converter\\_fed\\_induction\\_motor\\_using\\_Park's\\_vector\\_approach](https://www.researchgate.net/publication/261051228_Detection_of_broken_bars_in_frequency_converter_fed_induction_motor_using_Park's_vector_approach)

### **Electricity consumption analysis and power quality monitoring in commercial buildings**

**Drovtar, Imre; Niitsoo, Jaan; Rosin, Argo; Kilter, Jako; Palu, Ivo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 107-112 : ill <https://ieeexplore.ieee.org/document/6256212>

### **Investigation of molten metal mixing in a DC electric arc furnace with added AC component on different frequencies**

**Mölder, Heigo; Järvik, Jaan; Vaimann, Toomas; Gordon, Rauno** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 33-36 : ill <https://www.semanticscholar.org/paper/Investigation-of-molten-metal-mixing-in-a-DC-arc-AC-M%C3%B5lder-Jarvik/38848bbd53c7d118a0077072daa0ffb86f649657>

### **Model verification for analysis of wind power impact to transient stability in isolated power system using combined relay protection and dynamics modelling approach**

**Maripuu, Rain; Tsernobrovkin, Oleg; Palu, Ivo; Kilter, Jako** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 169-174 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6256222>

### **SOC estimation for Li-Ion batteries based on equivalent circuit diagrams and the application of a Kalman filter**

Rahmoun, Ahmad; Biechl, Helmuth; **Rosin, Argo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 273-276 : ill [https://www.researchgate.net/publication/261507418\\_SOC\\_estimation\\_for\\_Li-Ion\\_batteries\\_based\\_on\\_equivalent\\_circuit\\_diagrams\\_and\\_the\\_application\\_of\\_a\\_Kalman\\_filter](https://www.researchgate.net/publication/261507418_SOC_estimation_for_Li-Ion_batteries_based_on_equivalent_circuit_diagrams_and_the_application_of_a_Kalman_filter)

### **Study and verification of a slow speed PM generator with outer rotor for small scale wind turbines**

**Kilk, Aleksander; Kudrjavtsev, Oleg** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 19-24 : ill <https://ieeexplore.ieee.org/document/6256198>

### **Supply voltage level optimization in industrial low voltage networks**

**Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Sakkos, Tiiu** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 149-154 : ill <https://ieeexplore.ieee.org/document/6256219>

### **Wet test on naturally polluted glass and composite insulators**

**Taklaja, Paul; Niitsoo, Jaan; Palu, Ivo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 261-266 : ill <https://ieeexplore.ieee.org/document/6256236>

**Wide-Area applications for enhancement of Estonian power system security**

**Kilter, Jako; Reinson, Andrus** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 143-148 : ill <https://ieeexplore.ieee.org/abstract/document/6256218>

**Wind power generation impact on Sõrve peninsula network operation in Saaremaa**

**Bolgov, Viktor; Janson, Kuno; Šklovski, Jevgeni; Palu, Ivo; Laanetu, Margus** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 175-782 : ill <https://ieeexplore.ieee.org/document/6256223>