# WSEAS Transactions on Power Systems

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Acceptance Rate = C/D where: C = the number of accepted papers, D= the number of submitted papers. Withdrawn Papers are not considered for the numbers C and D.

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## **Topics:**

Generation, transmission & distribution planning Reliability and security Dynamic transient stability and voltage stability Electromagnetic transient evaluations Insulation co-ordination Transmission & distribution equipment Generator Protection and Control Parallel Operation of Generators Protection Portable Power Systems Corporate planning and management Alternative energy systems Environmental issues Energy Management Systems Deregulation and Electric Power Market Impacts of deregulation Electricity pricing and transactions Open access IPP and Co-generation Power market Reliability Optimization Techniques Electricity Demand Management Load Management FACTS and Custom Power Devices for Power Quality, Power Switching, Uninterrupted Power Supplies, Power Factor Compensation and Conditioning, Capacitor Switching Techniques

### **Articles:**

Innovative Technologies for Romanian Anti-Hail System

Authors: Laurentiu Alboteanu, Constantin Sulea, Gheorghe Manolea

<u>Dynamic Analysis of Grid Connected Wind Turbine with a Permanent Magnet Synchronous Generator during Fault Conditions</u>

Authors: Lata Gidwani, Harpal Tiwari

Five Level Parallel Inverter for DTC – SVM of Induction Motor

Authors: Jagan Mohana Rao Malla, Siva Ganesh Malla

A Reliable Fuzzy Logic approach for Measurement Data Validation through Line Susceptance Estimation

Authors: K. N. Bhanuprakash, A. D. Kulkarni, B. R. Lakshmikantha, T. Ananthapadmanabha, K.

Balaraman

Fuzzy Based SVC with Coordinated POD for Damping of Oscillations of Power System

Authors: S. V. Chandrakar, J. B. Helonde, R. M. Mohril, V. K. Chandrakar

Failure Analysis in Power System by the Discrete Wavelet Transform

Authors: Ismail Yilmazlar, Gulden Kokturk

The AHP and ANP Models for Transport Environmental Impacts Assessment

Authors: Helena Brozova, Miroslav Ruzicka

<u>Analysis of Turkey's Electric Power Demand Forecast and Generation Models Scenarios for the Next Ten Years</u>

Authors: Haydar Bayar, Nevzat Onat

Techno-Economic Analysis of Illegal Electricity Usage in Turkey and Policy Proposals

Authors: Nevzat Onat

New Features Regarding Pumps Command by Electrical Drives

Authors: Marius-Constantin Popescu, Nikos E. Mastorakis, Ilie Borcosi, Jean-Octavian Popescu

Description of Power System QV Curve by Fuzzy Modeling

Authors: Shu-Chen Wang, Chi-Jui Wu

<u>Assessment and Classification of Line Overload Risk in Power Systems Considering Different Types of Severity Functions</u>

Authors: Marayati Marsadek, Azah Mohamed, Zulkifi Mohd. Norpiah

Restoration of Power System after Blackout and Synchro-Check Relays Setting in Transmission System

Authors: Zaneta Eleschova, Anton Belan, Marek Pipa, Attila Kment

Interpersonal Dependency on People with Major Depression Syndrome in Indonesia

Authors: Dery Abdurrachim Iskandar

The Development of Electricity Market in the European Union and the Legislative Framework

Authors: Tina Krope, Viljem Pozeb, Darko Goricanec

The Slovenian Electricity Market and the Prices of Electricity

Authors: Viljem Pozeb, Tina Krope, Darko Goricanec, Jurij Krope

Study for the Integrated Automation of the Sao Paulo Subway System Rectifier Substations

Authors: Eduardo Mario Dias, Sergio Luiz Pereira, Carlos Alberto De Sousa

Optimal Configuration of a Renewable-based Electricity Supply Sector

Authors: Tino Aboumahboub, Katrin Schaber, Peter Tzscheutschler, Thomas Hamacher

Optimal Allocation of FACTS Devices in Deregulated Electricity Market Using Bees Algorithm

Authors: R. Mohamad Idris, A. Khairuddin, M. W. Mustafa

Applicability of Trigeneration Systems in the Hotel Buildings: The North Cyprus Case

Authors: M. Ozdenefe, U. Atikol

<u>Performance Analysis and Comparative Study of LMI-Based Iterative PID Load-Frequency Controllers of</u> a Single-Area Power System

Authors: Ahmed Bensenouci, A. M. Abdel Ghany

## Experimental Characterization and Modeling of PEM Fuel Cells under Dynamic Load Variations

Authors: Giovanni Bucci, Edoardo Fiorucci, Fabrizio Ciancetta, Francesco Veglio

Numerical Simulation of Single Phase Faults in Medium Voltage Electrical Networks

Authors: Dumitru Toader, Stefan Haragus, Constantin Blaj, Iulia Cata

An Efficient Maximum Power Point Tracking Controller for Photovoltaic Systems Using New Boost Converter Design and Improved Control Algorithm

Authors: Tamer T. N. Khatib, A. Mohamed, N. Amin, K. Sopian

Preventing Over-offering Behavior in Capacity Markets

Authors: X. Wei, R. Li

Electromagnetic Force Analyzed Results on Switchgear of Disconnector for Overevoltage Protector

Authors: Hitoshi Kijima, Tomooki Hasegawa

Sensitivity of Compact Fluorescent Lamps during Voltage Sags: An Experimental Investigation

Authors: Hussain Shareef, Azah Mohamed, Khodijah Mohamed

Estonian Electricity Production Scenarios and their CO2 and SO2 Emissions until 2030

Authors: R. Kuhi-Thalfeldt, A. Kuhi-Thalfeldt, J. Valtin

3D Finite Element Analysis for Arcing Chamber Optimization of the Current-limiting Circuit Breaker

Authors: Elena Otilia Virjoghe, Diana Enescu, Marcel Ionel, Florin Mihail Stan