

ПИ
E43/Р

ELSEVIER

VOLUME 98 MAY 2013 ISSN 0378-7796

ELECTRIC POWER SYSTEMS RESEARCH

Editor-in-Chief: **C.A. Nucci**

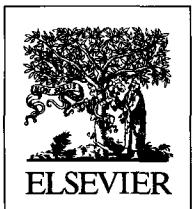
Editor: **L. Goel**

Associate Editors: **J.D. Morgan, C. Vournas**

Editor-in-Chief Emeritus: **B.D. Russell**

Available online at www.sciencedirect.com

SciVerse ScienceDirect



CONTENTS

Abstracted/indexed in: Current Contents, ISI Sci Search, Ei Compendex, Ei Engineering, INSPEC, Fuel and Energy Abstracts, Environment Abstracts, PASCAL. Also covered in the abstract and citation database SciVerse SCOPUS®. Full text available on SciVerse ScienceDirect®

Regular Papers

Stochastic generation-expansion planning and diversification of energy transmission paths.....	1
M. Pantoš	
A reduced sensor PFC BL-Zeta converter based VSI fed BLDC motor drive	11
V. Bist, B. Singh	
Fast and efficient calculation of lightning-induced voltages in frequency-dependent transmission lines over lossy ground.....	19
S. Mashayekhi, B. Kordi	
Distribution system optimisation with intra-day network reconfiguration and demand reduction procurement	29
I. Coroamă, G. Chicco, M. Gavrilaş, A. Russo	
Using mixed integer programming for the volt/var optimization in distribution feeders.....	39
A. Borghetti	
FPGA-based neural network harmonic estimation for continuous monitoring of the power line in industrial applications	51
M. Valtierra-Rodriguez, R.A. Osornio-Rios, A. Garcia-Perez, R. de Jesus Romero-Troncoso	
Efficient and lightweight battery management system contributes to victory in the Green Flight Challenge 2011	70
J. Tomažič, A. Žemva	
Optimal plug-in hybrid electric vehicles recharge in distribution power systems	77
D.Q. Oliveira, A.C. Zambroni de Souza, L.F.N. Delboni	

Review Papers

Comparative evaluation of alternative fluids for power transformers	58
I. Fernández, A. Ortiz, F. Delgado, C. Renedo, S. Pérez	

The publisher encourages the submission of articles in electronic form thus saving time and avoiding rekeying errors. A leaflet describing our requirements is available from the publisher upon request.

