

# CONTENTS

- 1 Sergii Babak, Mykhailo Myslovych, Roman Sysak**  
Computerized Systems for Remote Monitoring and Diagnostics of Electric Power Facilities
- 5 Yulia Chaikivska, Roman Pasichnyk, Nataliia Pasichnyk**  
The Mathematical Model of Glucose Dynamics in Blood Over 24-Hour Period
- 11 Tadeusz Kaczorek**  
Analysis of Positivity and Stability of Discrete-Time and Continuous-Time Nonlinear Systems
- 17 Oleksandr Kozlovskiy, Dmytro Trushakov, Serhiy Rendzinyak**  
A Measuring Transducer in the System of Technical Diagnosis of Overhead Lines Icing in Electrical Distribution Networks
- 23 Oleksandr Kyrylenko, Vsevolod Pavlovskiy, Lukian Lukianenko, Anton Steliuk, Oleg Lenga**  
Stability Issues in Modern Power Systems
- 33 Vasyl Malyar, Ihor Havdo**  
Mathematical Model of Permanent Magnet Direct Current Motor
- 37 Serhiy Meshchaninov, Aleksandra Ldovskaya**  
Mathematical Model of an Adaptive System for Remote Monitoring of Human's Psychophysiological State
- 41 Ivan Prudyus, Victor Tkachenko, Petro Kondratov, Serhiy Fabirovskyy, Leonid Lazko, Andriy Hryvachevskiy**  
Factors Affecting the Quality of Formation and Resolution of Images in Remote Sensing Systems
- 47 Igor Smetana, Andriy Lozynsky, Valeriy Misurenko**  
Methods of Parametric Sensitivity Reduction of a Field-Oriented Controlled Drive
- 55 Iryna Strubytka**  
Construction of Discrete Dynamic Model for Prediction of Particulate Matter Emission into the Air
- 61 Iryna Tugai**  
Investigation of Ferroresonance in Electrical Networks at Open-Phase Operating Conditions
- 65 Valeriy Zhuikov, Tetiana Tereschenko, Yulia Yamnenko, Yuriy Khokhlov**  
Enhancement of Noise Immunity and Increase in Data Transmission Speed in Telemetrical Communication System
- 71 Valeriy Zvaritch, Elena Glazkova**  
Some Singularities of Kernels of Linear AR and ARMA Processes and Their Application to Simulation of Information Signals
- I Preparation of Papers for CPEE**
- IV Вимоги до оформлення статей для подання до друку в журнал CPEE**
- VII CALL FOR PAPERS COMPAS-2015**
- VIII CALL FOR PAPERS SmartGridComm-2015**
- IX CALL FOR PAPERS CSDM-2015**
- XII CALL FOR PAPERS LASCAS-2015**
- XIII CALL FOR PAPERS ENERGYCON-2016**
- XV CALL FOR PAPERS MELECON-2016**
- XVII CALL FOR PAPERS PICST-2015**
- XXO CALL FOR PAPERS PROBLEMS-2015**
- XIII CALL FOR PAPERS TCSET-2016**
- XXV CALL FOR PAPERS TELFOR-2015**
- XXVII Свідоцтво про реєстрацію**
- XXVIII Список друкованих (електронних) періодичних видань, що входять до Переліку наукових фахових видань України**