

## **JES selection :**

### **Combined Influence of Temperature and Electric Discharges on the Properties of Transformer Oils**

A. NACER, H. MOULAI, L. LASMI, A. BELAZOUG

University of Sciences and Technology Houari Boumediene; Laboratory of Electrical and Industrial Systems; FEI, BP 32, Bab Ezzouar, Algiers, Algeria.

### **The Static Voltage Collapse phenomenon with FACTS devices**

O. L. Bekri, M.K. Fellah

ICEPS laboratory (Intelligent Control & Electrical Power Systems). Institute of Sciences and Technology. University Dr. Moulay Tahar, Saïda, Algeria.

### **Ant Colony System for Structure Optimization Problem of Multi State Power System**

O. Bendjeghaba, D. Ouahdi, N. Zemmour

University of Boumerdes, Algeria.

### **A Web Based System for Short-Term Forecasting of Algerian Electricity Load Using Artificial Neural Network**

K. Benlembarek M.T. Khadir F. Benabbas

Laboratoire sur la Gestion Electronique de Documents (Labged) University Badji Mokhtar, Annaba, Algeria.

### **Reflected Signal on a Nonuniform Overhead Transmission Line at High Frequency**

BOUDJEMAA Abdelkrim, TAHI Slimane, BENNAMANE Brahim

Faculté d'Electronique et d'Informatique. Université des Sciences et de la Technologie Houari Boumédiène, Algeria.

### **2D Numerical Field Correction of Asynchronous Machine with a 3D Analytical Calculation of the End Winding Effect**

H. Bouchekhou, M. R. Mekideche, A. Hamane, A. Boulassel, N. Mohdeb

Laboratoire d'études et de modélisation en électrotechnique (LAMEL) Université de Jijel. BP 98, Ouled Aissa, 18000, Jijel, Algérie

### **Two-axis Magnetically Coupled Electric Circuits for Modeling of Dual-Stator Induction Machines Under Healthy and Electric Failures**

M. Rachek , B. Moussaoui, Y. Nekkrouche, S. NaitLarbi, and T. Merzouki

Department of Electrical Engineering, Mouloud Mammeri University of Tizi-ouzou, BP 17 RP, 15000.

### **Effect of Parameters Variation on Behavior Dynamic in Permanent Magnet Stepper Motor**

G. Shahgholian, P. Shafaghi, A. Etesami, M. H. Rezaei

Islamic Azad University Najaf Abad Branch Isfahan, Iran.

### **Dynamical ramp for nonlinear phenomena control in DC-DC converters**

K. Guesmi, D. Gozim, D. Mahi, A. Hamzaoui

University of Djelfa Algeria.

### **Stabilization of the input DC voltages of the two five - level flying capacitors source voltage inverter. Application to double star induction machine**

Z. OUDJEBOUR, E.M. BERKOUK; M.MAHMOUDI

Laboratoire Systèmes Energétiques. U.S.T.H.B BP N0 32 EL- Alia Bab-Ezouar Alger ALGERIA.

### **An Accurate Formula for the Firing Angle of the Phase Angle Control In Terms of the Duty Cycle of the Integral Cycle Control**

S.Ali AL-Mawsawi, N. Allaith, H. Qassim, S. Dhiya

University of Bahrain, Department of Electrical and Electronics Engineering P.O. Box 32038, Kingdom of Bahrain.

### **Nine-level Current Rectifier-Nine-level Clamped Inverter-Induction Motor Cascade**

M. Gaad, E. M. Berkouk, S. Hadji

University of M'sila. , Department of Electrical Engineering, M'sila 28000, Algeria.

**Modelling and Temperature Regulation Using a New Material FeNiCr Alloy in Induction Cooking Device**

A. Kanssab, M. Feliachi, A. Zaoui  
Université Hassiba Ben Bouali. Chlef. BP 152. 02000. Algeria.

**Analysis of Voltage Stability Indices in Electrical Power Systems**

A. S. Hussein J. S. Abdelmalek  
Electrical and Electronic Engineering Department, Faculty of Engineering, 7th October University- Misurata-Libya.

**Adaptive Secondary Voltage Control by VAR Sources Set Point Optimization**

M. Abdelhameed  
7th October University, Faculty of Engineering, Electrical Engineering Department, Lybia.

**SIMULATION OF NUMERICAL DISTANCE RELAYS**

Abdlmnam A. Abdraham, Hamid H. Sherwali  
Electrical Eng. Dep. Omer Al-Mokhtar University, Lybia.

**New fault location method in distribution system with distributed generation using neural Networks**

M. H. Rezaei, G. Shahgholian, F. Sheykholeslam  
Islamic Azad University Najaf Abad Branch, Isfahan, Iran..

**Diagnosis and Fault Detection in Induction Motor Drive Fed by PWM Voltage Source Inverter**

Y. Soufi T. Bahi M.F Harkat R. Rouaibia  
Department of Electrical Engineering, University of Tébessa, Algeria.

**Nonlinear Speed Control using Adaptive Sliding Mode and Lyapunov approaches for PMSM fed by a 3-levels NPC Inverter**

D. Zaltni, L. Sbita, M. N. Abdelkrim  
MACS, ENIG, University of Gabes, Rue Omar al Khattab, 6029, Gabes, Tunisia and ECS, ENSEA, University of Cergy-Pontoise, 6, Avenue du Ponceau, 95014, Cergy, France.

**Modeling and Control of Cascaded Induction Machine in Wind Energy Generator**

K. Ghedamsi, D. Aouzellag  
Department of Electrical Engineering, A.Mira University, 06000 Béjaia, Algeria

**Sliding Mode Control with Stabilized Switching Frequency for Four- Wire Shunt Active Filter**

F. Hamoudi, A. Chaghi, M. Adli, H. Amimeur  
LSTIE-Research Laboratory Electrical Engineering Department-Batna University, Algeria.

## **JASE selection**

### **2D phase unwrapping algorithm for phase image using adjustment method**

T. Bentahar, D. Benatia, M. Boulila

Department of electronics Batna university -Algeria.

### **Evaluate the Performance of using Social Networks Sites under Web 2.0 Technology for E-Business Activities**

Alhusain M. A. TAHER

7th October University, Misurata-Libya.

### **Modelling and performance evaluation of semolina production system By Hybrid Petri nets**

SAIT BELKACEM, HASSANE ALLA

Laboratoire d'Automatique de Sétif, Algeria

### **Grid based Collaborative Environment for an E-learning System**

L. Abdoune, M. Sellami

Computer Science department, Annaba University, Algeria.

### **A cognitive multi agent system to model radiologist decision making - Aid breast cancer diagnosis –**

H. Boufera, F. Bendella

SIMPA Laboratory, Computer department, USTO-MB ORAN-Algeria.

### **Crosstalk Noise Investigation in Integrated Circuit**

A. Guen Bouazza, B. Bouazza, A. N. Moulai khatir, H. Sahraoui, Y. Belhadji, N. E. Chabane Sari

Research Unit of Materials and Renewable Energies URMER, Abou Bekr Belkaïd University, Tlemcen 13000. BP 119 Algeria.

### **Comparison of Neuro-Fuzzy and Fuzzy Clustering with Evolutionary Algorithm for Electrical Load Time Series Forecasting**

Hany Ferdinando, Felix Pasila, Dharma Gunawan and William

Department of Electrical Engineering Petra Christian University – Indonesia.

### **UAV Controller Design and Analysis using Sliding Mode Control**

Melbous A., Tami Y., Guessoum A.

Laboratory of Electric System and Remote Control, Electronic Department University Saad Dahleb Blida, Algeria.

### **Capacity and Coverage Improvement for Cellular Mobile Systems via Network Planning techniques**

Fateh M.G. Elsherif, Abdulsalam Ambarak

Garyounis University Electrical engineering department.

### **Direct-digital binary phase shift keying modulator at 2.3 GHz using MEMS switch**

M. M. Abousitta, A. R. Hussein, R. E. Elwrfili

### **Parameters Estimation of Shunt Active Filter for Improving Power Quality**

A. Chaoui, F. Krim, J.P. Gaubert

Laboratory of Power Electronics and Industrial control (LEPCI) University of Setif, Algeria.

### **Medical Images Compression using Wavelet Lifting Scheme Implementation and Artificial Neural Networks with Adaptive Learning-Rate Parameter**

Jamal R. Elbergali, Ali A. Elrowayati

Electrical and Electronic Electrical and Electronic Engineering Department Engineering Department Higher Institute of Industry 7th October University Misurata-Libya.

### **Image restoration using SVD and adaptive regularization**

Ferhat Fillali khier Benmahammed Graini Abid

Laboratory of intelligent systems. Faculty of engineering, University of Ferhat Abbas –ALGERIA.

**Parameter Estimation in K-Distributed Clutter with Noise Using Nonlinear Networks**

A. Mezache, M. Sahed

Laboratoire Signaux et Systèmes de Communication, Département d'Electronique, Faculté des Sciences de l'Ingénieur Université de Constantine, Constantine 25010, Algeria.

**Shape-Adaptive DCT for Color Object-Based Coding**

D. Samai N. Doghmane M. Bedda L. Lucas

Department of Electronics, Kasdi Merbah University, Ouargla, Algeria.

**Image Quality Assessment Measure based on Region-displacement with distorted pixels for compressed Images**

Zianou Ahmed Seghir, Fella Hachouf

Department of computing science, University of Mentouri Constantine, Road of Ain El Bey, 25000 Constantine, Algeria.

**Modelling of Dielectric Behavior for composite Materials at fixed frequency and in wide band of frequencies**

F. Djerfaf, A. Z. Merzouki

Electric Department, Faculty of Science of the Engineer Amar Telidji University - Laghouat, Algeria.

**Development of Effective Coherency Based Models for Stability Studies**

Sattar Jaber Al-Isawi, Mohamed Ali Shatwan

Department of Electromechanical Eng. The High Institute for Industry-Libya-Misrata.

**Modelling and simulation of a conversion chain of Small horizontal axis wind power**

I. Meghlaoui, A. Benretem, D. Khalfa, A. Kabouche

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**Synchronization of Chaotic and Hyperchaotic Systems Using an Active Control Based Algorithm**

A. Ikhlef, K. Rabah, N. Mansouri

Laboratoire d'Automatique et de Robotique, Département d'électronique, Faculté des Sciences de l'Ingénieur, Université Constantine, Algérie.

**Decentralized Neural-Fuzzy Control of a Six-Link Robot Provided with DC Motors**

R. Mellah, S. Guermah, R. Toumi

Laboratoire de Conception et de Conduite des Systèmes de Production (L2CSP), Faculté de Génie Electrique et d'Informatique, Université Mouloud Mammeri Tizi-Ouzou (U.M.M.T.O). Algeria.

**Identification and Control of a Nonlinear Chemical process Plant Using Dynamical Neural Units**

L. Saad Saoud, A. Khellaf

Department of Electrical Engineering, University of Skikda, Algeria.

**Analysis and Design of Torque Control Strategy for Two-Mass Resonant System only by a PID Controller**

G. Shahgholian M. Zinali P. Shafaghi M. H. Rezaei

Islamic Azad University Najaf Abad Branch Isfahan, Iran.

**Evolutionary Algorithms for Synthesis and Optimization of Combinational Logic Circuits**

Amer R. Zerek, W. M. Tohame, B. M. Alsawady, M. H. Dhaw

Electric and Electronic Engineering Department, Engineering Academy, Tajoura – Libya.

**Chronicles for Monitoring of a Milk manufacturing unit**

Anis Mhalla, Nabil Jerbi, Simon Collart Dutilleul

Laboratoire d'Automatique, Génie Informatique et Signal, Ecole Centrale de Lille, Cité Scientifique BP 48, 59651 Villeneuve d'Ascq, France

**Rudder Roll Reduction of Container Ship Using  $H_\infty$  Parallel Control Structure**

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