

SUMMARY

<u>Commande Non Linéaire d'une Machine Asynchrone sans Capteur Mécanique avec Observateur du Flux Rotorique par Mode Glissant -</u> <i>A. Bentaallah, A. Meroufel, A. Massoum, A. Bendaoud, K. Medles</i>	3
<u>Calculation of the Effective Index of an $\text{In}_x\text{Ga}_{1-x}\text{N}$ Optical Guiding Structure -</u> <i>M. Anani, C. Mathieu, Z. Chama, H. Abid, K. Medles</i>	11
<u>Linéarisation entrée/sortie et réglage flou d'une machine asynchrone alimentée en courant -</u> <i>A. Meroufel, M. Massoum, B. Belabbes, A. Bentaallah</i>	15
<u>Modern Materials Used in Inductive Inductors Achievement -</u> <i>D.A. Hoble, Claudia Olimpia Staşac</i>	22
<u>Power Factor Correction Converter with Auxiliary Switch -</u> <i>N. Drăghiciu, D. Albu, D.G. Tonţ, Gabriela Tonţ</i>	27
<u>Converters with Power Factor Correction -</u> <i>D. Albu, N. Drăghiciu, Gabriela Tonţ, D.G. Tonţ</i>	32
<u>Uses of the Electron Beam for Special Weldings -</u> <i>A. Morar, L. David</i>	38
<u>Analysis of Constant Power Region for the Induction Motor Control by Field Weakening Technique -</u> <i>A. Morar</i>	43
<u>Complete Biomedical Equipment Designed for Stress Tests -</u> <i>B. Ilie</i>	46
<u>SGBD System Incorporation in the Web Environment -</u> <i>Ileana Ştefan, M. Popa</i>	52

<u>Distributed Database Design – Top-Down Design -</u> <i>Ileana Ștefan, M. Popa</i>	56
<u>Up-to-Date PWM Inverter for Unipolar Supply of 4-Phase Electric Reluctance Motor -</u> <i>V. Trifa, Rozica Gabriela Moga, D. Moga</i>	60
<u>Measurement of Series Circuit Parameters Z, R, L, C, by Multiple Synchronous Detection Method -</u> <i>G. Todoran, R.A. Munteanu, Rodica Holonec, R. Copîndean</i>	64
<u>Measurement of Parallel Circuit Parameters B, G, L, C, by Multiple Synchronous Detection Method -</u> <i>G. Todoran, R.A. Munteanu, Rodica Holonec, R. Copîndean</i>	70
<u>Galvanomagnetic Sensors with Applications in the Measurement of Non-electrical Quantities: A Review -</u> <i>I.G. Târnovan, B. Țebrean</i>	76