

CONTENTS

Viorel Costin BANȚA, Dorian COJOCARU, Răzvan Tudor TĂNASIE: <i>A Software Application for the Gas Transport and Distribution Management</i>	1
Augustin-Iulian IONESCU: <i>Database testing – an overview</i>	7
Mădălin MĂTĂSARU: <i>xPC Target communication efficiency when multiple targets are involved</i>	13
Anna MAVROUDI, Thanasis HADZILACOS: <i>Implementation of adaptive learning designs</i>	18
Ileana-Diana NICOLAE, Anca-Iuliana NICOLAE: <i>Limiting Backtracking in Fast Sudoku Solvers</i>	25
Dorina PURCARU, Anca PURCARU, Cornelia GORDAN: <i>Interface with Simultaneous Sampling of Analog Inputs for Power Quality Measurement: Testing Programs and Experimental Results</i>	33
Cristina Floriana REȘCEANU, Ionuț Cristian REȘCEANU, Dana Maria PĂTRAȘCU: <i>Dynamic Algorithm Control of Robot Manipulator Operating in Fault Conditions</i>	43
Monica ROMAN: <i>Design Procedure of Sliding Mode Observers via Bond Graph</i>	48
Claudia Alice STATE: <i>Absolute Stability of a longitudinal Blended Wing Body Aircraft Model with Rate Limiting of the Actuator</i>	54
Răzvan TĂNASIE: <i>Designing the Architecture of a Rendering Engine</i>	60
Anca Loredana UDRIȘTOIU (ION), Ștefan UDRIȘTOIU: <i>A Framework for medical images diagnosing</i>	65
Author Index	71