

## CONTENTS

<b>Luis-Delgado J.D., Al-Hadithi B.M. and Jiménez A.</b> A novel method for the design of switching surfaces for discretized MIMO nonlinear systems .....	5
<b>Moysis L. and Karampetakis N.P.</b> Construction of algebraic and difference equations with a prescribed solution space .....	19
<b>Sajewski Ł.</b> Minimum energy control of descriptor fractional discrete-time linear systems with two different fractional orders .....	33
<b>Xu F., Puig V., Ocampo-Martinez C., Olaru S. and Niculescu S.-I.</b> Robust MPC for actuator-fault tolerance using set-based passive fault detection and active fault isolation .....	43
<b>Tomera M.</b> Hybrid switching controller design for the maneuvering and transit of a training ship .....	63
<b>Rodríguez-Liñán M.C., Mendoza M., Bonilla I. and Chávez-Olivares C.A.</b> Saturating stiffness control of robot manipulators with bounded inputs .....	79
<b>Kruthika H.A., Mahindrakar A.D. and Pasumarthy R.</b> Stability analysis of nonlinear time-delayed systems with application to biological models .....	91
<b>Tenne Y.</b> Machine-learning in optimization of expensive black-box functions .....	105
<b>Brugno A., D'Apice C., Dudin A. and Manzo R.</b> Analysis of an MAP/PH/1 queue with flexible group service	119
<b>Widuch J.</b> A relation of dominance for the bicriterion bus routing problem .....	133
<b>Liu Y., Qin K., Rao C. and Alhaji Mahamadu M.</b> Object-parameter approaches to predicting unknown data in an incomplete fuzzy soft set .....	157
<b>Szemenyei M. and Vajda F.</b> Dimension reduction for objects composed of vector sets .....	169
<b>Xue Y., Liu P., Tao Y. and Tang X.</b> Abnormal prediction of dense crowd videos by a purpose-driven lattice Boltzmann model .....	181
<b>Ptak R., Źygadło B. and Unold O.</b> Projection-based text line segmentation with a variable threshold .....	195
<b>Kubica M. and Kania D.</b> Area-oriented technology mapping for LUT-based logic blocks .....	207