

Contents

Kowalczyk Z. and Suchomski P. Discrete-time predictive control with overparameterized delay-plant models and an identified cancellation order	5
Konnov I., Mazurkevich E. and Ali M. On a regularization method for variational inequalities with P_0 mappings	35
Liu P.-L. Delay-dependent asymptotic stabilization for uncertain time-delay systems with saturating actuators	45
Czornik A. and Świerniak A. On adaptive control for the continuous time-varying JLQG problem	53
Ma L., Chen Y. and Moore K.L. Range identification for a perspective dynamic system with a single homogeneous observation	63
Skrzypczyński P. Uncertainty models of vision sensors in mobile robot positioning	73
Skrzypczyk K. Control of a team of mobile robots based on non-cooperative equilibria with partial coordination	89
Oh Ch. and Żak S.H. Image recall using a large scale generalized Brain-State-in-a-Box neural network	99
Bilski J. The UD RLS algorithm for training feedforward neural networks	115
Piegat A. A new definition of the fuzzy set	125
Gu T. and Dong R. A novel continuous model to approximate time Petri nets: Modelling and analysis	141
Barkalov A.A. and Barkalov A.A., Jr. Design of Mealy finite-state machines with the transformation of object codes	151
Bru R., Caccetta L. and Rumchev V.G. Monomial subdigraphs of reachable and controllable positive discrete-time systems	159