Control and Cybernetics

vol. **43** (2014) No. 2

CONTENTS

Vladimir S. Gavrilov and Mikhail I. Sumin: 183
Sequential optimization for semilinear divergent hyperbolic equation with a boundary control and state inequality constraint

Wudhichai Assawinchaichote: 227
A novel robust $\mathcal{H}_\infty$ fuzzy state-feedback control design on nonlinear Markovian jump systems with time-varying delay

Huynh Thi Hong Diem and Phan Quoc Khanh: 249
Optimality conditions for a class of relaxed quasiconvex minimax problems

Jacek Czeczot and Piotr Łaszczyk: 261
Application of the simple additive modeling of the first principle model inaccuracies for the offset–free process control

Jan Friederich, Günter Leugering, and Paul Steinmann: 279
Adaptive finite elements based on sensitivities for topological mesh changes

Kamil Murawski, Krzysztof Murawski, 307
and Przemysław Stpiczynski:
MPI-GPU/CUDA implementation of TVDLF method for the two-dimensional advection equation

Piotr Wołoszkiewicz, Krzysztof Murawski, 321
Zdzisław E. Musielak and Andrea Mignone:
Numerical simulations of Alfvén waves in the solar atmosphere with the PLUTO code

Piotr Jaroszek and Maciej Trojnacki: 337
Model–based energy efficient global path planning for a four–wheeled mobile robot

Marcin kontak and Janusz Szmidt: 365
Cryptanalysis of the FSR-255 hash function