

IEEE/CAA JOURNAL OF AUTOMATICA SINICA

A PUBLICATION OF THE IEEE AND CHINESE ASSOCIATION OF AUTOMATION

OCTOBER 2014

VOLUME 1

NUMBER 4

PER284

(ISSN: 2329-9266)

SPECIAL ISSUE ON EXTENSIONS OF REINFORCEMENT LEARNING AND ADAPTIVE CONTROL (2)

SPECIAL ISSUE PAPERS

- Coordinated Adaptive Control for Coordinated Path-following Surface Vessels with a Time-invariant Orbital Velocity
..... Y. Y. Chen and P. Wei (337)
- Adaptive Iterative Learning Control Based on Unfalsified Strategy for Chylla-Haase Reactor
..... J. Wang, Y. Wang, L. L. Cao, and Q. B. Jin (347)
- Parameters Tuning of Model Free Adaptive Control Based on Minimum Entropy
..... C. Ji, J. Wang, L. L. Cao, and Q. B. Jin (361)
- Near Optimal Output Feedback Control of Nonlinear Discrete-time Systems Based on Reinforcement Neural Network
Learning Q. M. Zhao, H. Xu, and S. Jagannathan (372)
- An Adaptive Obstacle Avoidance Algorithm for Unmanned Surface Vehicle in Complicated Marine Environments ..
..... R. B. Zhang, P. P. Tang, Y. M. Su, X. Y. Li, G. Yang, and C. T. Shi (385)
- Adaptive Pinpoint and Fuel Efficient Mars Landing Using Reinforcement Learning B. Gaudet and R. Furfaro (397)
- Online Adaptive Approximate Optimal Tracking Control with Simplified Dual Approximation Structure for
Continuous-time Unknown Nonlinear Systems J. Na and G. Herrmann (412)
- Bi-Objective Optimal Control Modification Adaptive Control for Systems with Input Uncertainty
..... N. T. Nguyen and S. N. Balakrishnan (423)
- Reinforcement Learning Based Controller Synthesis for Flexible Aircraft Wings
..... M. Kumar, K. Rajagopal, S. N. Balakrishnan, and N. T. Nguyen (435)