

IEEE/CAA JOURNAL OF AUTOMATICA SINICA

A PUBLICATION OF THE IEEE AND CHINESE ASSOCIATION OF AUTOMATION

JULY 2014

VOLUME 1

NUMBER 3

PER284

(ISSN: 2329-9266)

SPECIAL ISSUE ON EXTENSIONS OF REINFORCEMENT LEARNING AND ADAPTIVE CONTROL (1)

EDITORIAL

Guest Editorial for Special Issue on Extensions of Reinforcement Learning and Adaptive Control.....
..... *F. L. Lewis, W. Dixon, Z. S. Hou, and T. Yucelen* (225)

SPECIAL ISSUE PAPERS

Off-Policy Reinforcement Learning with Gaussian Processes.....
..... *G. Chowdhary, M. Liu, R. Grande, T. Walsh, J. How, and L. Carin* (227)

Concurrent Learning-based Approximate Feedback-Nash Equilibrium Solution of N -player Nonzero-sum Differential
Games..... *R. Kamalapurkar, J. R. Klotz, and W. E. Dixon* (239)

Clique-based Cooperative Multiagent Reinforcement Learning Using Factor Graphs..... *Z. Zhang and D. B. Zhao* (248)

Reinforcement Learning Transfer Based on Subgoal Discovery and Subtask Similarity.....
..... *H. Wang, S. G. Fan, J. H. Song, Y. Gao, and X. G. Chen* (257)

Closed-loop P-Type Iterative Learning Control of Uncertain Linear Distributed Parameter Systems.....
..... *X. S. Dai, S. P. Tian, Y. J. Peng, and W. G. Luo* (267)

Experience Replay for Least-Squares Policy Iteration..... *Q. Liu, X. Zhou, F. Zhu, Q. M. Fu, and Y. C. Fu* (274)

Event-Triggered Optimal Adaptive Control Algorithm for Continuous-Time Nonlinear Systems.....
..... *K. G. Vamvoudakis* (282)

Robust Adaptive Model Tracking for Distributed Parameter Control of Linear Infinite-dimensional Systems in Hilbert
Space..... *M. J. Balas and S. A. Frost* (294)

Adaptive Iterative Learning Control for a Class of Nonlinear Time-varying Systems with Unknown Delays and Input
Dead-zone..... *J. M. Wei, Y. A. Hu, and M. M. Sun* (302)

An Improved Result of Multiple Model Iterative Learning Control..... *X. L. Li, K. Wang, and D. X. Liu* (315)

Continuous Action Reinforcement Learning for Control-Affine Systems with Unknown Dynamics.....
..... *A. Faust, P. Ruyngaert, M. Salman, R. Fierro, and L. Tapia* (323)

