

IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS

PART B: CYBERNETICS

A PUBLICATION OF THE IEEE SYSTEMS, MAN, AND CYBERNETICS SOCIETY

Indexed in PubMed® and MEDLINE®, products of the United States National Library of Medicine



APRIL 2011

VOLUME 41

NUMBER 2

ITSCFI

(ISSN 1083-4419)

REGULAR PAPERS

Fast Eigenspace Decomposition of Images of Objects With Variation in Illumination and Pose	<i>R. C. Hoover, A. A. Maciejewski, and R. G. Roberts</i>	318
A Practical Approach to Model Selection for Support Vector Machines With a Gaussian Kernel	<i>M. Varewyck and J.-P. Martens</i>	330
Exponential Stability of Stochastic Neural Networks With Both Markovian Jump Parameters and Mixed Time Delays	<i>Q. Zhu and J. Cao</i>	341
Modeling Cognitive Loads for Evolving Shared Mental Models in Human-Agent Collaboration	<i>X. Fan and J. Yen</i>	354
Incremental Social Learning in Particle Swarms	<i>M. A. Montes de Oca, T. Stütze, K. Van den Eenden, and M. Dorigo</i>	368
Tracking by Third-Order Tensor Representation	<i>Q. Wang, F. Chen, and W. Xu</i>	385
Enhanced Differential Evolution With Adaptive Strategies for Numerical Optimization	<i>W. Gong, Z. Cai, C. X. Ling, and H. Li</i>	397
Flocking of Multiple Mobile Robots Based on Backstepping	<i>W. Dong</i>	414
Supervised Gaussian Process Latent Variable Model for Dimensionality Reduction	<i>X. Gao, X. Wang, D. Tao, and X. Li</i>	425
Motor-Model-Based Dynamic Scaling in Human-Computer Interfaces	<i>L. M. Muñoz, A. Casals, M. Frigola, and J. Amat</i>	435
Applications of Artificial Intelligence in Safe Human-Robot Interactions	<i>N. Najmaei and M. R. Kermani</i>	448
Parameterized Logarithmic Framework for Image Enhancement	<i>K. Panetta, S. Agaian, Y. Zhou, and E. J. Wharton</i>	460
Adaptive Fuzzy Decentralized Control for Large-Scale Nonlinear Systems With Time-Varying Delays and Unknown High-Frequency Gain Sign	<i>S. Tong, C. Liu, Y. Li, and H. Zhang</i>	474
Novel Exponential Stability Criteria of High-Order Neural Networks With Time-Varying Delays	<i>C.-D. Zheng, H. Zhang, and Z. Wang</i>	486
Circular Blurred Shape Model for Multiclass Symbol Recognition	<i>S. Escalera, A. Fornés, O. Pujol, J. Lladós, and P. Radeva</i>	497
Adaptive Output Feedback NN Control of a Class of Discrete-Time MIMO Nonlinear Systems With Unknown Control Directions	<i>Y. Li, C. Yang, S. S. Ge, and T. H. Lee</i>	507

(Contents Continued on Page 317)

请阅后放回:

排架号 E226 处



A Relay Level Set Method for Automatic Image Segmentation	X. Gao, B. Wang, D. Tao, and X. Li	518
Weakly Supervised Training of a Sign Language Recognition System Using Multiple Instance Learning Density Matrices	D. Kelly, J. Mc Donald, and C. Markham	526
Robust Adaptive Controller Design for a Class of Uncertain Nonlinear Systems Using Online T-S Fuzzy-Neural Modeling Approach	Y.-H. Chien, W.-Y. Wang, Y.-G. Leu, and T.-T. Lee	542
Cultural-Based Multiobjective Particle Swarm Optimization	M. Daneshyari and G. G. Yen	553
Intuitionistic Fuzzy Bonferroni Means	Z. Xu and R. R. Yager	568
Natural Language Morphology Integration in Off-Line Arabic Optical Text Recognition	S. Kanoun, A. M. Alimi, and Y. Lecourtier	579
Experimental Analysis of Mobile-Robot Teleoperation via Shared Impedance Control	F. Janabi-Sharifi and I. Hassanzadeh	591