

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS

A PUBLICATION OF THE IEEE COMPUTATIONAL INTELLIGENCE SOCIETY

<http://cis.ieee.org/tnns>



MARCH 2016

VOLUME 27

NUMBER 3

ITNNEP

(ISSN 2162-237X)

REGULAR PAPERS

Neural Network-Based Event-Triggered State Feedback Control of Nonlinear Continuous-Time Systems	497
..... <i>A. Sahoo, H. Xu, and S. Jagannathan</i>	
Robust Adaptive Neural Tracking Control for a Class of Stochastic Nonlinear Interconnected Systems	510
..... <i>H. Wang, X. Liu, and K. Liu</i>	
Generating Highly Accurate Predictions for Missing QoS Data via Aggregating Nonnegative Latent Factor Models	524
..... <i>X. Luo, M. Zhou, Y. Xia, Q. Zhu, A. C. Ammari, and A. Alabdulwahab</i>	
Comparison of Seven Methods for Boolean Factor Analysis and Their Evaluation by Information Gain	538
..... <i>A. A. Frolov, D. Húsek, and P. Y. Polyakov</i>	
A New Stochastic Computing Methodology for Efficient Neural Network Implementation	551
..... <i>V. Canals, A. Morro, A. Oliver, M. L. Alomar, and J. L. Rosselló</i>	
Hierarchical Theme and Topic Modeling	565
..... <i>J.-T. Chien</i>	
A Nonnegative Latent Factor Model for Large-Scale Sparse Matrices in Recommender Systems via Alternating Direction Method	579
..... <i>X. Luo, M. Zhou, S. Li, Z. You, Y. Xia, and Q. Zhu</i>	
Global Exponential Stability for Complex-Valued Recurrent Neural Networks With Asynchronous Time Delays	593
..... <i>X. Liu and T. Chen</i>	
Perception Evolution Network Based on Cognition Deepening Model—Adapting to the Emergence of New Sensory Receptor	607
..... <i>Y. Xing, F. Shen, and J. Zhao</i>	
A Spiking Neural Network System for Robust Sequence Recognition	621
..... <i>Q. Yu, R. Yan, H. Tang, K. C. Tan, and H. Li</i>	
DC Proximal Newton for Nonconvex Optimization Problems	636
..... <i>A. Rakotomamonjy, R. Flamary, and G. Gasso</i>	
Relevance Vector Machine for Survival Analysis	648
..... <i>F. Kiaee, H. Sheikhzadeh, and S. Eftekhari Mahabadi</i>	
Analog Programmable Distance Calculation Circuit for Winner Takes All Neural Network Realized in the CMOS Technology	661
..... <i>T. Talaška, M. Kolasa, R. Długosz, and W. Pedrycz</i>	
Image Categorization by Learning a Propagated Graphlet Path	674
..... <i>L. Zhang, R. Hong, Y. Gao, R. Ji, Q. Dai, and X. Li</i>	
Lag Synchronization of Memristor-Based Coupled Neural Networks via ω -Measure	686
..... <i>N. Li and J. Cao</i>	
L_1 -Minimization Algorithms for Sparse Signal Reconstruction Based on a Projection Neural Network	698
..... <i>Q. Liu and J. Wang</i>	
<hr/>	
ANNOUNCEMENTS	
New Journal Title: IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS	708