

IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS: SYSTEMS

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

JANUARY 2016

VOLUME 46

NUMBER 1

ITSMFE

(ISSN 2168-2216)

PAPERS

Constrained Multilegged Robot System Modeling and Fuzzy Control With Uncertain Kinematics and Dynamics Incorporating Foot Force Optimization	Z. Li, S. Xiao, S. S. Ge, and H. Su	1
Analysis and Design Optimization of a Robotic Gripper Using Multiobjective Genetic Algorithm	R. Datta, S. Pradhan, and B. Bhattacharya	16
Observer-Based Adaptive Fuzzy Control for a Class of Nonlinear Delayed Systems	B. Chen, C. Lin, X. Liu, and K. Liu	27
Observed-Based Adaptive Fuzzy Decentralized Tracking Control for Switched Uncertain Nonlinear Large-Scale Systems With Dead Zones	S. Tong, L. Zhang, and Y. Li	37
Feedback Control Scheduling in Energy-Efficient and Thermal-Aware Data Centers	X. Zhao, T. Peng, X. Qin, Q. Hu, L. Ding, and Z. Fang	48
FD4C: Automatic Fault Diagnosis Framework for Web Applications in Cloud Computing	T. Wang, W. Zhang, C. Ye, J. Wei, H. Zhong, and T. Huang	61
Effective Approaches to Adaptive Collaboration via Dynamic Role Assignment	Y. Sheng, H. Zhu, X. Zhou, and W. Hu	76
Evaluation of Probability Transformations of Belief Functions for Decision Making	D. Han, J. Dezert, and Z. Duan	93
Coordinated Planning of Heterogeneous Earth Observation Resources	G. Wu, W. Pedrycz, H. Li, M. Ma, and J. Liu	109
A System-Theoretic Approach to Modeling and Analysis of Mammography Testing Process	X. Zhong, J. Li, S. M. Ertl, C. Hassemer, and L. Fiedler	126
An Estimation of Distribution Algorithm-Based Memetic Algorithm for the Distributed Assembly Permutation Flow-Shop Scheduling Problem	S.-Y. Wang and L. Wang	139
Recognition System for Home-Service-Related Sign Language Using Entropy-Based K-Means Algorithm and ABC-Based HMM	T.-H. S. Li, M.-C. Kao, and P.-H. Kuo	150
