

VOLUME 10 • NUMBER 1 • JANUARY-JUNE 2017

Contents

Syh-Shiuh Yeh	Application Study of Compliant Control Techniques for Human-robot Force Interaction	1-8
Abeer Mahmoud, Tokuji Okada & Toshimi Shimizu	A Simulation for Estimating a Circular Trajectory of a Rotating Four-legged Mobile Robot on Regular Terrain	9-16
Tattaya Pukkalanun Wason Tanjaroen & Worapong Tangsrirat	Current-Mode Second-Order Notch Filter Using CDTA-Based First-Order Allpass Sections	17-21
Masatoshi Hara & Jun Yoneyama	An Improved Robust Stability Condition for Uncertain Discrete Time-Varying Delay Systems	23-27
Chih-Chung Chou & Feng-Li Lian	Integrated Multiple Navigation Algorithms for Sonar-Based Indoor Mobile Robots	29-35
Hyun Cheol Cho, Jin Woo Lee, Young Jin Lee & Kwon Soon Lee	Online Fault Detection and Diagnosis Algorithm Based on Probabilistic Model for Induction Machines	37-42
Koichi Kurita	Development of Non-Contact System for Measurement of Signals Generated during Human Motion of Stepping	43-46
Yasuo Iwaki	Accuracy Improvement of Blood Chemical Analysis by "Law of Propagation of Uncertainty"	47-56