Publications
Journal Papers in Year 2012


30. SS Ge, Z Li and H Yang, "Data driven adaptive predictive control for holonomic constrained under


38. JJ Cabibihan and MC Carrozza, ”Influence of the Skin Thickness on Tactile Shape Discrimination”, *IEEE RAS & EMBS BIOROB 2012*, pp. 1681 – 1685, June 2012.


**Conference Papers in Year 2012**

1. X Li, H Lin, J Lian and BM Chen, ”Stability analysis for uncertain linear systems with random Parameters”, *IEEE Conference on Decision and Control*, Maui, Hawaii, USA, 10-13 December 2012.


30. SR Liyanage, CT Guan, HH Zhang, KK Ang, JX Xu and TH Lee, "Dynamically weighted classification with clustering to tackle non-stationarity in brain computer interfacing", *IEEE World Congress on Computational Intelligence (WCCI 2012) under International Joint Conference on Neural Networks (IJCNN2012)*, Brisbane, Australia, 10 - 15 June 2012.

31. JX Xu and X Deng, "Complex chemotaxis behaviors of C. elegans with speed regulation achieved by dynamic neural networks", *IEEE World Congress on Computational Intelligence (WCCI 2012) under International Joint Conference on Neural Networks (IJCNN2012)*, Brisbane, Australia, 10 – 15 June 2012.

32. D Huang, JX Xu, X Deng, V Venkataramanan and TCT Huynh, "GA based high-order peak filter design with application to compensation of contact-induced vibration in HDD servo systems", *IEEE World Congress on Computational Intelligence (WCCI 2012) under IEEE Congress on Evolutionary Computation (CEC2012)*, Brisbane, Australia, 10 - 15 June 2012.


34. X Chen and WW Tan, "Tracking Control of Surface Vessels via Adaptive Backstepping Interval


37. M Nie and WW Tan, "Modeling Capability of Type-1 Fuzzy Set and Interval Type-2 Fuzzy Set", *IEEE International Conference on Fuzzy Systems*, Brisbane, Australia, 10 - 15 June 2012.


42. SS Ge, W He and S Zhang, "Modeling and control of a flexible riser with application to marine installation", *American Control Conference*, Montreal, Canada, 27 - 29 June 2012.


46. JX Xu, X Niu, Q Ren and QG Wang, "Collision-free motion planning for an anguilliform robotic fish", *IEEE International Symposium on Industrial Electronics*, Hangzhou, China, 28 - 31 May 2012.


57. SS Ge and Y Li, "Motion Synchronization for Human-Robot Collaboration", International Conference on Social Robotics, Chengdu, China, 29-31 October 2012.

58. J Ma, Y Li and SS Ge, "Adaptive Control for a Cable Driven Robot Arm", IEEE International Conference on Mechatronics and Automation, Chengdu, China, 5-8 August 2012.

59. Z Zhao, SS Ge, W He and YS Choo, "Modeling and Simulation of Magnetic Induction Wireless Communication for a Deepwater Mooring System", IEEE International Conference on Mechatronics and Automation, Shenyang, China, 6-8 June 2012.

60. W He, SS Ge, Y Li, E Chew and YS Ng, “Impedance Control of a Rehabilitation Robot for Interactive Training”, International Conference on Social Robotics, Chengdu, China, 29-31 October 2012.
