

Publications

Journal Papers in Year 2012

1. **G Cai, BM Chen, TH Lee and KY Lum, "Comprehensive nonlinear modeling of a miniature unmanned helicopter,"** *Journal of the American Helicopter Society*, Vol. 57, No. 1, pp. 012004-1–13, January 2012.
2. **F Lin, X Dong, BM Chen, KY Lum and TH Lee, "A robust real-time embedded vision system on an unmanned rotorcraft for ground target following,"** *IEEE Transactions on Industrial Electronics* Vol. 59, No. 2, pp. 1038–1049, February 2012.
3. F Wang, SK Phang, JJ Ong, **BM Chen and TH Lee, "Design and construction methodology of an indoor UAV system with embedded vision,"** *Control and Intelligent Systems*, Vol. 40, No. 1, pp. 22–32, January 2012.
4. **X Zheng and BM Chen, "Modeling and forecasting of stock markets under a system adaptation framework,"** *Journal of Systems Science and Complexity*, Vol. 25, No. 4, pp. 641–674, September 2012.
5. VA Shim, KC Tan and CY Cheong, "A hybrid estimation of distribution algorithm with decomposition for solving the multiobjective multiple traveling salesman problem", *IEEE Transactions on Systems, Man and Cybernetics Part C - Applications and Reviews*, Vol. 42, No. 5, pp. 682-691, September 2012.
6. KK Tan, S Huang, W Liang, AM Abdullah, EK Koh and HX Zhou, "Development of a Spherical Air Bearing Positioning System", *IEEE Transactions on Industrial Electronics*, Vol. 59, No. 9, pp. 3501-3509, September 2012.
7. AS Putra and KK Tan, " An Alternative Perspective in Engineering Education: A Parallel Disruptive Technology", *International Journal of Engineering Education*, Vol. 28, No. 4, pp. 778-781, 2012.
8. J Hu, KR Qin, C Xiang and TH Lee, "Modeling of Hysteresis in Gene Regulatory Networks", *Bulletin of Mathematical Biology*, Vol. 75, No. 8, pp. 1727-1753, August 2012.
9. JJ Cabibihan, WC So and S Pramanik, "Human-Recognizable Robotic Gestures", *IEEE Transactions on Autonomous Mental Development*, Vol. 4, No. 3, pp. 99, July 2012.
10. JY Chia, CK Goh, VA Shim and KC Tan, "A data mining approach to evolutionary optimization of noisy multi-objective problems", *International Journal of Systems Science*, Vol. 43, No. 7, pp. 1217-1247, July 2012
11. FQ Gu, HL Liu and KC Tan "A multiobjective evolutionary algorithm using dynamic weight design **method**", *International Journal of Innovative Computing, Information and Control*, Vol. 8, No. 5(B), pp. 3677-3688, May 2012.
12. Z Zhang, SS Ge and H He, "Mutual-reinforcement document summarization using embedded graph based sentence clustering for storytelling", *Information Processing & Management*, Vol. 48, No. 4, pp. 767-778, July 2012.
13. KK Tan, S Huang and TH Lee, "Fault diagnosis and fault-tolerant control in linear drives using Kalman filter", *IEEE Transactions on Industrial Electronics*, Vol. 59, No. 11, pp. 4285-4292, November 2012.
14. L Liu, KK Tan, CS Teo, S Chen and T H Lee, "Development of an Approach Towards comprehensive Identification of Hysteretic Dynamics in Piezoelectric Actuators", *IEEE Transactions on Control Systems Technology*, No. 99, pp. 1, June 2012.

15. SS Ge, TL Vu and CC Hang, "Non-smooth Lyapunov function-based global stabilization for quantum filters", *Automatica*, Vol. 48, No. 6, pp. 1031-1044, June 2012.
16. JX Xu, "A quasi-optimal sliding mode control scheme based on control Lyapunov function", *Franklin Institute - Engineering and Applied Mathematics*, Vol. 349, No. 4, pp. 1445-1458, May 2012.
17. P Vadakkepat, SJ Tan and CY Hong, "Analog Neuronal Network in a Biomorphic Machine: Modeling and Simulation in ADAMS", *Institute of measurement and control*, Vol. 34, No. 2/3, pp. 184-212, October 2012.
18. P Vadakkepat, SJ Tan and CY Hong, "Model Validation for a Pair of Biologically Abstracted Quadraped Forelimb through the Design of Experiment (DOE) Technique", *Institute of measurement and control*, Vol. 34, No. 2/3, pp. 213-235, April/May 2012.
19. RB Ren and SS Ge, "Synchronized Tracking Control of Multi-Agent System With High-Order Dynamics", *IET Control Theory & Applications*, Vol. 6, No. 5, pp. 603-614, March 2012.
20. JJ Cabibihan, WC So, S Saj and Z Zhang, "Telerobotic Pointing Gestures Shape Human Spatial Cognition", *International Journal of Social Robotics*, **Vol. 4, No. 3, pp. 263-272, August 2012.**
21. CS Chang, ZX Wang, F Yang and WW Tan, "Hierarchical Fuzzy Logic System for Implementing Maintenance Schedules of Offshore Power Systems", *IEEE Transactions on Smart Grid*, Vol. 3, No. 2, pp. 3-11, March 2012.
22. SK Sahoo, S Dasgupta, SK Panda and JX Xu, "A Lyapunov Function-Based Robust Direct Torque Controller for Switched Reluctance Motor Drive System", *IEEE Transactions on Power Electronics*, Vol. 27, No. 2, pp. 555-564, February 2012.
23. S Ang, CL Ong, Z Yuan, and CK Pang, "Writing Process Induced Media Noise Measurement," *IEEE Transactions on Magnetics*, Vol. 48, No. 11, pp. 3907-3910, November 2012.
24. F Hong and CK Pang, "Robust Vibration Control at Critical Resonant Modes Using Indirect-Driven Self-Sensing Actuation in Mechatronic Systems," *ISA Transactions*, Vol. 51, No. 6, pp. 834-840, November 2012.
25. CK Pang, F Hong, and X Wang, "Integrated Servo-Mechanical Control Systems Design Using Nyquist Plots for High-Performance Mechatronics," *Microsystem Technologies*, Vol. 18, Nos. 9-10, pp. 1719-1729, October 2012.
26. CK Pang, TS Ng, FL Lewis, and TH Lee, "Managing Complex Mechatronics R&D: A Systems Design Approach," *IEEE Transactions on Systems, Man, and Cybernetics Part A: Systems and Humans*, Vol. 42, No. 1, pp. 57-67, January 2012.
27. R Kiruthika, N Ning, D Dhanasekar, Li Guoqi, Shi Luping and P Vadakkepat, "Presynaptic learning and memory with a persistent firing neuron and a habituating synapse: A model of short term persistent habituation", *International Journal of Neural Systems*, Vol. 22, No. 4, October 2012.
28. Z Dan, Y Li, QG Wang, OC Jin, "Estimator design for discrete-time switched neural networks with asynchronous switching and time-varying delay", TNN-2011-B-3705, *IEEE Transactions on Neural Networks and Learning Systems*, Vol.23, No. 5, pp. 827-834, February 2012.
29. D Zhang, S Hongbo, L Yu, QG Wang, OC Jin, "Set-values Filtering for Discrete Time-delay Genetic Regulatory Networks with Time-varying Parameters", *Nonlinear Dynamics*, Vol. 69, No. 1-2, pp. 693-703, July 2012.
30. **SS Ge, Z Li and H Yang, "Data driven adaptive predictive control for holonomic constrained under**

- actuated biped robots", *IEEE Transactions on Control System Technology*, Vol. 20, No. 3, pp. 787-795, May 2012.
31. SS Ge, TL Vu and TH Lee, "Quantum measurement-based feedback control: a nonsmooth time delay control approach", *SIAM Journal on Control and Optimization*, Vol. 50, No. 2, pp. 845-860, April 2012.
 32. W He and SS Ge, "Robust Adaptive Boundary Control of a Vibrating String Under Unknown Time-Varying Disturbance", *IEEE Transactions on Control System Technology*, Vol. 20, No. 1, pp. 48-58, January 2012
 33. TL Vu, SS Ge and CC Hang, "Real-time deterministic generation of maximally entangled two-qubit and three-qubit states via bang-bang control", *Physical Review A*, Vol. 85, No. 1, pp. 23-32, January 2012.
 34. Y Li, SS Ge and C Yang, "Learning Impedance Control for Physical Robot-Environment Interaction", *International Journal of Control*, Vol. 85, No. 2, pp. 182-193, February 2012.
 35. S Zhang, W He and SS Ge, "Modeling and Control of a Nonuniform Vibrating String Under Spatiotemporally Varying Tension and Disturbance", *IEEE-ASME Transactions on Mechatronics*, Vol. 17, No. 6, pp. 1196-1203, December 2012.
 36. R Huang, Y Lin, SS Ge and Z Lin, " H_∞ Stabilisation of Switched Linear Stochastic Systems Under Dwell Time Constraints", *International Journal of Control*, Vol. 85, No. 9, pp. 1209-1217, December 2012.
 37. JJ Cabibihan, LO Htun and S Salehi, "Effect of Artificial Skin Ridges on Embedded Tactile Sensors", *Haptics Symposium 2012*, pp. 439 - 442, March 2012.
 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.
 39. MJ Ali, S Sarkar, P Kumar and JJ Cabibihan, "A Non-Intrusive Human Fatigue Monitoring System", *International Journal of Future Computer and Communication*, Vol. 1, No. 3, pp. 284-288, October 2012.
 40. Y Yang, C Xiang and TH Lee, "Sufficient and Necessary Conditions for the Stability of Second-order Switched Linear Systems under arbitrary Switching", *International Journal of Control*, Vol. 85, No. 12, pp. 1977-1995, December 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.
2. N Xu, G Cai, W Kang and BM Chen, "Minimum-time trajectory planning for helicopter UAVs using computational dynamic optimization", *IEEE International Conference on Systems, Man, and Cybernetics*, Seoul, Korea, 14-17 October 2012.
3. K Peng, S Zhao, F Lin and BM Chen, "Vision based stabilization for aircraft in unknown environment without GPS signal", *AIAA Guidance, Navigation, and Control Conference*, Minneapolis, USA, 13-16 August 2012.
4. S Zhao, F Lin, K Peng, BM Chen and TH Lee, "Homography-based vision-aided inertial navigation of UAVs in unknown environments", *AIAA Guidance, Navigation, and Control Conference*, Minneapolis, USA, 13-16 August 2012.

5. A Partovi, ZYK Ang, BM Chen, H Lin and G Cai, "Development of a cross style quadrotor", *AIAA Guidance, Navigation, and Control Conference*, Minneapolis, USA, 13-16 August 2012.
6. Cai, BM Chen and TH Lee, "Integrated modeling of miniature aircraft for fault tolerance control", *AIAA Guidance, Navigation, and Control Conference*, Minneapolis, USA, 13- 16 August 2012.
7. J Cui, F Wang, Z Qian, BM Chen and TH Lee, "Construction and modeling of a variable collective pitch coaxial UAV", *9th International Conference on Informatics in Control, Automation and Robotics*, pp. 286–291, Rome, Italy, 28-31 July 2012.
8. D Luo, F Wang, B Wang and BM Chen, "Implementation of obstacle avoidance technique for indoor coaxial **rotorcraft with scanning laser range finder**", *31st Chinese Control Conference*, pp. 5135–5140, Hefei, China, 28-31 July 2012.
9. Y Sun, H Lin and BM Chen, "Decentralized bisimilarity control of discrete event systems, " *31st Chinese Control Conference*", pp. 2134–2139, Hefei, China, 28-31 July 2012.
10. B Wang and BM Chen, "Structural analysis of a helicopter dynamic model using the special coordinate basis decomposition", *31st Chinese Control Conference*, pp. 279–284, Hefei, China, 28-31 July 2012.
11. SK Phang, C Cai, BM Chen and TH Lee, "Design and mathematical modeling of a 4-standard -propeller (4SP) quadrotor", *10th World Congress on Intelligent Control and Automation*, pp. 3270–3275, Beijing, China, 28-31 July 2012.
12. B Wang, F Wang, BM Chen and TH Lee, "**Robust flight control design for an indoor miniature Coaxial helicopter**", *10th World Congress on Intelligent Control and Automation*, pp. 2918–2924, Beijing, China, 28-31 July 2012.
13. S Zhao, BM Chen and TH Lee, "Optimal placement of bearing-only sensors for target localization", *American Control Conference*, Montreal, Canada, pp. 5108–5113, 28-31 June 2012.
14. F Wang, K Phang, J Cui, G Cai, BM Chen and TH Lee, "**Nonlinear modeling of a miniature fixed-pitch coaxial UAV**", *American Control Conference*, Montreal, Canada, pp. 3863–3870, 27-29 June 2012.
15. B Wang, X Dong, BM Chen, TH Lee and K Phang, "**Formation flight of unmanned rotorcraft based on robust and perfect tracking approach**", *American Control Conference*, Montreal, Canada, pp. 3284–3290, 27-29 June 2012.
16. KK Tan, S Huang, W Liang and S Yu, "Development for precise positioning of air bearing **stages**", *IEEE International Conference on Mechatronics and Automation*, pp. 1943-1948, Chengdu, China, 5 – 8 August 2012.
17. Y Su, KK Tan and TH Lee, "Computation delay compensation for real time implementation of robust model predictive control", *IEEE 10th International Conference on Industrial Informatics*, pp. 242-247, Beijing, China, 25 - 27 July 2012.
18. L Liu, KK Tan, S Chen, CS Teo and TH Lee, "Identification and Compensation of Hysteretic Dynamics of Piezoelectric Actuators for Accurate and Fast Scanning Compensation of hysteresis in piezoelectric actuator", *7th IEEE Conference on Industrial Electronics and Applications*, pp. 1630-1635, Singapore, 18 – 20 July 2012.
19. Y Su, KK Tan and TH Lee, "Tube based Quasi-min-max Output Feedback MPC for LPV **Systems**", *8th IFAC Symposium on Advanced Control of Chemical Processes*, pp. 186-191, Singapore, 10 July 2012.

20. VA Shim, KC Tan and KK Tan, "Hybrid Adaptive Evolutionary Algorithm in the Domination-based and Decomposition-based Frameworks of Multi-objective Optimization", *IEEE Congress on Evolutionary Computation*, pp. 1142-1149, Brisbane, Australia, 10 - 15 June 2012.
21. VA Shim, KC Tan and KK Tan, "A Hybrid Estimation of Distribution Algorithm for Solving the Multi-objective **Multiple Traveling Salesman Problem**", *IEEE Congress on Evolutionary Computation*, pp. 771-778, Brisbane, Australia, 10 - 15 June 2012.
22. AS Putra, J Ng and KK Tan, "Enhancing Student Involvement in a Class using Real-Time Response System", *International Conference on Information Technology Based Higher Education and Training*, Istanbul, Turkey, 21 - 23 June 2012.
23. L Liu, KK Tan, S Chen, CS Teo and TH Lee, "Identification of coupled hysteresis, creep, electric and electric and vibration dynamics in piezoelectric actuators for high bandwidth precision motion control", *12th Euspen International Conference*, pp. 507-510, Stockholm, Sweden, 4 – 8 June 2012.
24. KK Tan and S Huang, "Fault monitoring and fault tolerant control design in linear drive **systems**", *Electronics and Mechatronics Engineering*, Bangkok, Thailand, 17 - 18 March 2012.
25. SP Herath, CY Chen, Y Du, Hui Shi, DA Wang, QG Wang and H Asada, "Active manipulation of ECM microscale stiffness", *Chemical, Biological and Environmental Engineering*, pp. 81-85, Dubai, 4 – 5 August 2012.
26. Y Du, SP Herath, QG Wang, H Asada and CY Chen, "Analysis of local stiffness in ECM embedded with bioconjugated magnetic beads under the influence of an external magnetic field", *International Conference on Biological and Life Sciences*, Singapore, 24 - 25 July 2012.
27. JJ Cabibihan, H Lin Oo and Saba Salehi, "Effect of Artificial Skin Ridges on Embedded Tactile Sensors", *IEEE Haptics Symposium*, Canada, 4 - 7 March 2012.
28. JJ Cabibihan, "A Non-Intrusive Human Fatigue Monitoring System", *International Association of Computer Science & Information*, Singapore, 9 - 10 June 2012.
29. JJ Cabibihan and MC Carrozza, "Influence of the Skin Thickness on Tactile Shape Discrimination", *IEEE International Conference on Biomedical Robotics and Biomechatronics*, Rome, Italy, 24 – 27 June 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.
33. K Ramanathan and P Vadakkepat, "Stimulus dependent habituation in a bottom - up brain inspired model of learning and memory", *International Joint Conference on Neural Networks*, pp. 1-7. Brisbane, Australia, 10 - 15 June 2012.
34. X Chen and WW Tan, "Tracking Control of Surface Vessels via Adaptive Backstepping Interval

- Type-2 Fuzzy Logic Control", *IEEE International Conference on Fuzzy Systems*, Brisbane, Australia, 10 - 15 June 2012.
35. X Chen and WW Tan, "Adaptive Interval Type-2 Fuzzy Logic Observer for Dynamic Positioning", *IEEE International Conference on Fuzzy Systems*, Brisbane, Australia, 10 – 15 June 2012.
 36. M Nie and WW Tan, "Theory of Generalized Fuzzy Discrete Event System", *IEEE International Conference on Fuzzy Systems*, Brisbane, Australia, 10 - 15 June 2012.
 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.
 38. Q Yu, KC Tan and HJ Tang, "Pattern recognition computation in a spiking neural network with temporal encoding and learning", *International Joint Conference on Neural Networks*, pp. 466-472, Brisbane, Australia, 10 - 15 June 2012.
 39. HJ Tang, Q Yu and KC Tan, "Learning Real-World Stimuli by Single-Spike Coding and Tempotron Rule", *International Joint Conference on Neural Networks*, pp. 47-52, Brisbane, Australia, 10 – 15 June 2012.
 40. NY Su, MJ Zhang, M Johnston and KC Tan, "A Coevolution Genetic Programming Method to Evolve Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling Problems", *IEEE Congress on Evolutionary Computation*, pp. 3261-3268, Brisbane, Australia, 10 - 15 June 2012.
 41. TL Vu, SS Ge and CC Hang, "Deterministic Generation of the Bell States via Real-Time Quantum Measurement-Based Feedback", *American Control Conference*, Motreal, Canada, 27 - 29 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*, Motreal, Canada, 27 - 29 June 2012.
 43. JH Zhou, CK Pang and X Wang, "SVM-Based Dynamic Modeling for Machine Life Stage Identification and Machine Wear Estimation", *IEEE International Conference on Intelligent Engineering Systems*, Lisbson, Portugal, 13 - 15 June 2012.
 44. JX Xu, D Huang, V Venkatakrisnan and TCT Huynh, "Adaptive compensation of contact-induced vibration in high density HDD servo systems using peak filter method", *IEEE International Symposium on Industrial Electronics*, Hangzhou, China, 28-31 May 2012.
 45. O Geramifard, JX Xu and WY Chen, "An HMM-based semi-nonparametric approach for fault detection in rotary electric motors", *IEEE International Symposium on Industrial Electronics*, Hangzhou, China, 28 - 31 May 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.
 47. G Yang, A Tay and WK Ho, "Development of In-situ Real-time CD Monitoring and Control System through PEB Process", *Chinese Control and Decision Conference*, Taiyuan, China, 23 - 25 May 2012.
 48. NY Su, MJ Zhang, M Johnston and KC Tan, "Evolving reusable operation-based due-date assignment models for job shop scheduling with genetic programming", *5th European Conference on Genetic Programming*, pp. 121-133, Malaga, Spain, 11 - 13 April 2012.
 49. YZ Tan, CK Pang, F Hong and TH Lee, "Integrated Servo-Mechanical Design of High-Performance Mechanical Systems Using Generalized KYP Lemma", *JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment*, pp. 376-378. Santa Clara, United States, 18 - 20 June 2012.

50. **CK Pang, X Wang and JH Zhou, "A Mixed Time-/Condition-Based Precognitive Maintenance Framework Using Support Vectors"**, to appear in *Proceedings of the 2012 IASTED EAS*, Colombo, SriLanka, 27-29 December 2012.
51. WK Tan and CK Pang, "Stroke Projection of Secondary Thermal Actuators for Dual-Stage HDDs", *Digests of the 2012 APMRC*, Singapore, October 31-November 2, 2012.
52. YZ Tan, CK Pang, F Hong and TH Lee, "Aliased NRRO Rejection Using Phase-Stabilization Above Nyquist Frequency", *Digests of the 2012 APMRC*, Singapore, October 31-November 2, 2012.
53. CK Pang, GR Hudus, CV Le, MB Middleton, OP Gan and FL Lewis, "Discrete Event Command and Control of Multiple Military Missions in Network Centric Warfare", *Proceedings of the 2012 ICIUS*, pp. 74-79, Singapore, October 22-24, 2012.
54. CV Le, OP Gan and CK Pang, "Energy Saving and Monitoring Technologies in Manufacturing Systems with Industrial Case Studies", *Proceedings of the 2012 IEEE ICIEA*, FrP2.2, pp. 1913-1918, Singapore, July 18-20, 2012.
55. B Hu, M Luo, CK Pang, X Li and HL Chan, "A Two-Stage Equipment Predictive Maintenance Framework for High-Performance Manufacturing Systems", *Proceedings of the 2012 IEEE ICIEA*, ThPP.1, pp. 1340-1345, Singapore, July 18-20, 2012.
56. X Wang, G Dai and CK Pang, "Enhanced Mechanical Resonant Modes Detection Using Indirect Driven Self-Sensing Actuation", *Proceedings of the 2011 International DST-CON*, pp. 84-87, Bangkok, Thailand, January 9-10, 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.
61. Y Zeng, Y Li, P Xu and SS Ge, "Human-Robot Handshaking: A Hybrid Deliberate/Reactive Model", *International Conference on Social Robotics*, Chengdu, China, 29-31 October 2012.
62. W He, SS Ge, W Guo and et al, "Design and Development of a Wearable Rehabilitation Robot", *International Conference on Social Robotics*, Chengdu, Chain, 29-31 October 2012.