1. Fault diagnosis in TE process based on feature selection via second order mutual information
   Lü, Ning (School of Automation, Harbin University of Science and Technology, Harbin 150080, Heilongjiang, China); Yu, Xiaoyang Source: Huagong Xuebao/CIESC Journal, v 60, n 9, p 2252-2258, September 2009 Language: Chinese

2. Image classification based on bayes point machines

3. Robust image watermarking based on singular value decomposition in DT-CWT domain
   Cao, Wei (College of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, 150040, China); Yan, Yixin; Li, Shengming Source: 2009 IEEE International Workshop on Imaging Systems and Techniques, IST 2009 - Proceedings, p 381-384, 2009, 2009 IEEE International Workshop on Imaging Systems and Techniques, IST 2009 - Proceedings Language: English

4. Study of 3D connection method in stereo vision measurement system
   Xu, Qiao-Yu (School of Electromechanical Engineering, Henan University of Science and Technology, Luoyang 471003, China); Wang, Heng-Di; Che, Ren-Sheng Source: Guangdianzi Jiguang/Journal of Optoelectronics Laser, v 20, n 10, p 1332-1336, October 2009 Language: Chinese

5. Effect of compound technology on polyethylene/ montmorillonite composites
   Gao, Junguo (Ministry of Education, College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin, 150040, China); Guo, Ning; Liu, Yali; Li, Jing; Hu, Haltao; Sun, Liang; Zhang, Xiaohong Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, p 781-784, 2009, 2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009 Language: English

6. Bit replacement audio watermarking using stereo signals

7. Solidification characteristic and formation mechanism of in-situ synthesized TiC-TiB2 reinforced Fe-matrix composite coating
   Wang, Zhen-Ting (Mobile Postdoctoral Center of Materials Science and Engineering, Harbin University of Science and Technology, Harbin 150080, China); Zhou, Xiao-Hui; Zhang, Xian-You; Zheng, Wei
8. **Design and implementation of workflow engine for service-oriented architecture**
   *Peng, Shuqing* (Harbin University of Science and Technology, Harbin, 150080, China); *Duan, Huining*; *Chen, Deyun*  

9. **Monitoring of electric-cardio signals based on DSP**
   *Yan, Yi-Xin* (School of Observation Technology and Communication Engineering, Harbin University of Science and Technology, Harbin 150040, China); *Sun, Hui-Nan*; *Lv, Shuang*  
   **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 7133, 2009, *Fifth International Symposium on Instrumentation Science and Technology*

10. **Analysis on influence of image quality for errors of CCD mosaics technology**
    *Yang, Ling* (School of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin 150040, China)  
    **Source:** *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 30, n SUPPL., p 115-119, June 2009  
    **Language:** Chinese

11. **Dependence of transmembrane voltage on pulsed electric field frequency**
    *Li, Jiahui* (Key Laboratory of Engineering Dielectrics and its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); *Wei, Xinlao*; *Xu, Xiangfeng*; *Wang, Yonghong*  
    **Language:** English

12. **Association analysis between erythrocyte membrane surface structure and genes in Cyprinus carpio with different vitality at lower temperature K-20**
    *Liang, Liqun* (College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin, 150080, China); *Chang, Yumei*; *Le, Qingquan*  
    **Language:** English

13. **Image reconstruction algorithm based on algebraic neural network for electrical resistance tomography**
    *Yanjun, Zhang* (College of Computer Science and Technology, Harbin University of Science and Technology, Harbin, China); *Lili, Wang*; *Jing, Zhou*; *Deyun, Chen*  
    **Language:** English

14. **Effect of electrode materials on breakdown of Al2O3P1 films**
    *Song, Yilei* (Ministry of Education, School of Applied Sciences, Harbin University of Science and Technology, Harbin, 150040, China); *Yin, Jinghua*; *Bu, Wenbin*; *Liu, Xiaoxu*  
    **Source:** *Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials*, p 823-825, 2009,
15. Dynamic composition of disparate services and data
   Peng, Shu-Qing (College of Computer Science and Technology, Harbin University of Science and Technology, Harbin, China); Chen, De-Yun

16. FBG power current transformer based on CWDM demodulate
   Xiong, Yanling (Key Laboratory of Engineering Dielectric and Its Application, College of Applied Science, Harbin University of Science and Technology, Harbin, 150040, China); Zhao, Hong; Zhao, Lei; L, Xiaojun; Shen, Tao

17. Study of FBG application in acceleration sensing
   Zhang, Jian (College of Applied Science, Harbin University of Science and Technology, Harbin, 150040, China); Xiong, Yanling; Yang, Aihuan

18. A novel method for video retrieval using relevant feedback
   Shen, Yongbin (College of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, 150040, China); Yan, Yixin; Li, Shengming

19. Colouring of 3D-reconstructed surfaces of structure light based on coloured images
   Yu, Xiao-Yang (College of Measurement-control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin 150080, China); He, Jia-Luan; Huang, Ming; Wu, Hai-Bin; Wei, Zheng-Yi
   Source: Guangxue Jingmi Gongcheng/Optics and Precision Engineering, v 17, n 10, p 2561-2568, October 2009 Language: Chinese

20. Parameter-optimized rotated general regression neural network model
   Huang, Jin-Jie (College of Automation, Harbin University of Science and Technology, Harbin 150080, China); Xia, Jing; Man, Chun-Tao; Wang, Song-Tao

21. A remote routing mechanism in space-parallel network simulation
   Zhang, Dianlong (Computing Center, Harbin University of Science and Technology, Harbin 150080, China); Xin, Shiguang
   Source: Journal of Information and Computational Science, v 6, n 1, p 83-88, January 2009 Language: English

22. Analysis of powerformer no-load EMF waveform with different damper constraints
   Ge, Baojun (Harbin University of Science and Technology, Harbin 150080, China); Guan, Xing; Tao, Dajun; Gu, Fengling
23. High capacity reversible image authentication based on difference image watermarking
Yixin, Yan (College of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, 150040, China); Wei, Cao; Shengming, Li Source: 2009 IEEE International Workshop on Imaging Systems and Techniques, IST 2009 - Proceedings, p 183-186, 2009, 2009 IEEE International Workshop on Imaging Systems and Techniques, IST 2009 - Proceedings Language: English

24. Effect of magnetic field on conductivity properties of carbon filler/LDPE composites
Ma, Fenglian (Key Laboratory of Engineering Dielectric and its Application, College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin, 150040, China); Han, Baozhong; Wang, Yanjie; Jiang, Hui Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, p 1192-1195, 2009, 2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009 Language: English

25. Design of ultrasonic scaler based on embedded microcontroller
Jun, Xu (College of Automation, Harbin University of Science and Technology, Harbin 150080, China); Helai, Li; Bo, You Source: ICEMI 2009 - Proceedings of 9th International Conference on Electronic Measurement and Instruments, p 2184-2188, 2009, ICEMI 2009 - Proceedings of 9th International Conference on Electronic Measurement and Instruments Language: English

26. Development and validity of tissue biomechanics modeling for virtual robot assisted orthopedic surgery system
Wang, Monan (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, China) Source: 3rd International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2009, 2009, 3rd International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2009 Language: English

27. Study on the chip-breaking behavior under the concept of equivalent parameters for complicated groove insert in 45 cutting steel
Liu, Erliang (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Zhang, Chao; Zhang, Huiping Source: Key Engineering Materials, v 407-408, p 473-477, 2009

28. Evaluation of the measurement of metal flow and strain distribution in bulk metal forming
Li, F. (College of Materials Science and Engineering, Harbin University of Science and Technology, No.4 Lin Yuan Street, Xiang Fang District, Harbin 150040, China); Lin, J.F.; Liu, X.J.; Li, C. Source: Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, v 223, n 7, p 935-941, July 1, 2009

29. Optical damage threshold and non-volatile holographic storage of In:Fe:Cu:LiNbO3 crystals
Bi, Jiancong (School of Chemistry and Environment Engineering, Harbin University of Science and Technology, Harbin 150040, China); Liu, Bo; Tian, Haiyan; Xu, Yuheng Source: Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society, v 37, n 5, p 819-822, May 2009 Language: Chinese

30. Phase morphology of exfoliated epoxy/MMT nanocomposite
Zhang, Xiao-Hong (College of Electrical and Electronic Engineering, Harbin University of Science and
31. **Influences of nano-montmorillonite on breakdown and electrical conductivity of polyethylene**

   *Zhang, Xiao-Hong* (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, China); *Gao, Jun-Guo*, *Guo, Ning*, *Zhang, Jin-Mei*, *Liu, Ya-Li*, *Hu, Hai-Tao*

   **Source:** *Gaodianya Jishu/High Voltage Engineering*, v 35, n 2, p 282-289, February 2009

   **Language:** Chinese

32. **Intelligent control strategy for plasma arc cutting technology**

   *Jia, De-Li* (School of Automation, Harbin University of Science and Technology, Harbin 150080, China); *Zhao, Chang-Jiang*, *He, Jin-Song*

   **Source:** *Nanjing Li Gong Daxue Xuebao/Journal of Nanjing University of Science and Technology*, v 33, n SUPPL. 1, p 69-75, August 2009

   **Language:** Chinese

33. **Simulation of transient response characteristics in coaxial electrodes with non-linear insulating dielectrics**

   *Guo, Wenmin* (College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Key Laboratory of Engineering Dielectric and its Application, Harbin, 150040, China); *Zhang, Rong*, *Lu, Xiang*, *Li, Zhonghua*


   **Language:** English

34. **Cloning and association analysis with cold adaptation of NADH-quinone oxidoreductase 3 subunit gene from common carp Cyprinus carpio**

   *Liang, Liqun* (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150080, China); *Chang, Yumei*, *Zou, Qingwei*, *Lei, Qingquan*


   **Language:** English

35. **Robust adaptive control for manipulator system**

   *Xiaobo, Sun* (Institute of Automation Engineering, Harbin University of Science and Technology, Harbin, China)


   **Language:** English

36. **Analysis on enterprise merger and acquisition risk**

   *Xiu, Guo-Yi* (School of Economy, Harbin University of Science and Technology, 150001, China); *Zhao, Jia-Jing*


   **Language:** English

37. **Preparation and characterization of γ-Al2O3/polyimide nanocomposite films**

   *Zhou, Hong* (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin 150040, China); *Fan, Yong*, *Wang, Xiaolin*, *Li, Juan*, *Chen, Hao*

   **Source:** *Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society*, v 37, n 6, p 932-936, June 2009

   **Language:** Chinese

38. **3D measurement technology based on gray coding light by combining gray code with trapezoidal phase shift**
39. Study of WF-C-means algorithm for CBR systems
   Ding, Qian (College of Economics and Management, Harbin University of Science and Technology, Harbin, China); Liu, Changzheng. Source: Proceedings - 2009 International Conference on Networking and Digital Society, ICNDS 2009, v 1, p 250-253, 2009. Language: English

40. 3D finite element simulation of hard turning

41. 2D FEM estimate of tool wear in hard cutting operation: Extractive of interrelated parameters and tool wear simulation result

42. A new training algorithm for RBF neural network based on PSO and simulation study
   Man, Chun-Tao (School of Automation, Harbin University of Science and Technology, Harbin 150080, China); Wang, Kun; Zhang, Li-Yong. Source: 2009 WRI World Congress on Computer Science and Information Engineering, CSIE 2009, v 4, p 641-645, 2009. Language: English

43. Analysis on the structure and electrical property of PIIMWNTs films

44. Bacteria inactivation by PEF with coaxial treatment chamber and tube-plate treatment chamber
   Li, Jiahui (Key Laboratory of Engineering Dielectrics and its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); Wei, Xinlao; Xu, Xiangfeng; Wang, Yonghong. Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, p 1181-1183, 2009. 2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009. Language: English

45. Experimental studies on dry WEDM in improving surface quality

46. Effect of cutting speed on chip fracture strain in high speed cutting
47. Axiomatic design of high speed milling cutter and fuzzy object element evaluation for dynamic cutting performance


48. The effect of electrical field treatment on conductivity characteristic of silicon carbide/polymer composites

Guo, Wen-Min

49. Study on microstructures and mechanical properties of short-carbon-fiber-reinforced SiC composites prepared by hot-pressing

He, Xiulan

50. Influence of air current flow change on fluid flow and heat transfer of air-cooled turbo-generator with multipath ventilation

Li, Wei-Li

51. Improvement of maximum power point tracking for photovoltaic system

Wen, Jiabin
Source: Dianli Zidonghua Shebei / Electric Power Automation Equipment, v 29, n 6, p 81-84, June 2009

52. Dynamic simulation of powerformer under loss of excitation

Lv, Yanling

53. 3D measurement technology based on color trapezoidal phase-shifting coding light

Xi, Zhaohui
Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials,
54. The effect of SiO2/Al2O3 weight ratio on the morphological and properties of polyimide/SiO2-Al203 ternary Hybrid films

Liu, Lizhu (Ministry of Education, College of Material Science and Engineer, Harbin University of Science and Technology, Harbin, 150040, China); Weng, Ling; Zhu, Xingsong; Yang, Ligan; Lei, Qingquan


55. The breakdown characteristic of Al2O3-IPI by light transmittance

Liu, Xiaoxu (Ministry of Education, School of Applied Science, Harbin University of Science and Technology, Harbin, 150040, China); Yin, Jinghua; Bu, Wenbin; Song, Yilei; Jia, Pengfei; Fan, Yong


56. Effect of magnetic field treatment on properties of thermosetting polymers and their composites

Han, Baozhong (Key Laboratory of Engineering Dielectric and its Application, College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin, 150040, China); Ma, Fenglian; Feng, Tao; Jiang, Hui; Wang, Yanjie


57. Study of the electro-hydraulic load simulator based on double servo valve concurrent control

Jianying, Li (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang Province, China); Junpeng, Shao; Zhongwen, WangBo; Wu, Guihua Han


58. A new modified DEA model for distinguishing efficient decision making units


59. IMC of SAC0307-xNi/Ni soldered joint and consumption of Ni coating

Wang, Lingling (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin 150040, China); Sun, Fenglian; Wang, Lifeng; Zhao, Zhili


60. Study on fuzzy-neural network for inverted plasma arc cutting power supply

You, B. (Harbin University of Science and Technology, Harbin 150080, China); Jia, D.L.; Zhang, F.J.

Source: Key Engineering Materials, v 392-394, p 735-742, 2009
61. Transit articles extraction based on domestic fusion algorithm
   Wang, Mingyi (School of Measurement and Communication, Harbin University of Science and Technology, Harbin, China); Wang, Liqi Source: IJCAI International Joint Conference on Artificial Intelligence, p 785-787, 2009, Proceedings - 1st IITA International Joint Conference on Artificial Intelligence, JCAI 2009 Language: English

62. Application of logistical balancing method in manufacturing and assembly line

63. Optimal algorithm for trajectory planning of the robot
   Li, Dong-Jie (School of Automation, Harbin University of Science and Technology, Harbin 150080, China); Qiu, Jiang-Yan; You, Bo Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 13, n 1, p 123-127, January 2009 Language: Chinese

64. Design of nodes for embedded and ultra low-power wireless sensor networks
   Xu, Jun (College of Automation, Harbin University of Science and Technology, Harbin, 150080, China); You, Bo; Cui, Juan; Ma, Jing; Li, Xin Source: Proceedings of SPIE - The International Society for Optical Engineering, v 7133, 2009, Fifth International Symposium on Instrumentation Science and Technology

65. Study on torque sensor system used in torque rheometer based on virtual prototyping simulation
   Cui, S.H. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Li, Y.; Ren, S.L. Source: Key Engineering Materials, v 392-394, p 1025-1029, 2009

66. A high sensitivity quartz tuning fork temperature sensor
   Xu, Jun (School of Automation, Harbin University of Science and Technology, China); You, Bo; Li, Xin; Ma, Jing Source: 4th IEEE International Conference on Nano/Micro Engineered and Molecular Systems, NEMS 2009, p 616-619, 2009, 4th IEEE International Conference on Nano/Micro Engineered and Molecular Systems, NEMS 2009 Language: English

67. Synthesis and dielectric property of polyimide/MWNTs nanocomposite films

68. Improved multi-class classification incremental learning algorithm based on sphere structured SVM
   Xie, Zhi-Qiang (Institute of Computer Science and Technology, Harbin University of Science and Technology, Harbin 150080, China); Gao, Li; Yang, Jing Source: Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University, v 30, n 9, p 1041-1046, September 2009 Language: Chinese
69. **Study on complex product scheduling problem with no-wait constraint between operations**

   Xie, Zhi-Qiang (School of Computer Science and Technology, Harbin University of Science and Technology, Harbin 150080, China); Li, Zhi-Min; Hao, Shu-Zhen; Tan, Guang-Yu  
   **Source:** Zidonghua Xuebao/Acta Automatica Sinica, v 35, n 7, p 983-989, July 2009  
   **Language:** Chinese

70. **Research on control method of low frequency oscillation for four powerformer system**

   Liang, Yan-Ping (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, China); Liu, Jian  
   **Source:** Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 13, n 2, p 168-172, March 2009  
   **Language:** Chinese

71. **Electromagnetic field calculation of electromagnetic pulse simulator**

   Yan, Zhe (Automation College, Harbin University of Science and Technology, Harbin 150080, China); Bi, Xiaoliang; Yang, Jiaxiang  
   **Source:** Qiangjiguang Yu Lizishu/High Power Laser and Particle Beams, v 21, n 2, p 249-254, February 2009  
   **Language:** Chinese

72. **Parametric design on 3D complex groove of turning inserts using pro/engineer**

   Feng, X.M. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Tan, G.Y.  
   **Source:** Key Engineering Materials, v 392-394, p 724-728, 2009

73. **Study on testing methods of Al content of polyimide hybrid films with Al2O3**

   Zhou, Hao-Ran (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin 150040, China); Lin, Fei; Zhao, De-Ming; Liu, Xin-Gang; Fan, Yong  
   **Source:** Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis, v 29, n 1, p 250-255, January 2009  
   **Language:** Chinese

74. **The simulation analysis of leading phase operation of Powerformer**

   Fengling, Gu (Harbin University of Science and Technology, Harbin, China); Baojun, Ge; Peng, Lin; Cuicui, Li  

75. **Modeling and simulation of short-circuit loss of excitation in Powerformer**

   Li, Cuicui (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); Ge, Baojun; Lv, Yanling; Gu, Fengling  
   **Language:** English

76. **An enhanced Particle Swarm Optimization algorithm**

   Gao, Xue-Yao (School of Computer Science and Technology, Harbin University of Science and Technology, Harbin, China); Sun, Ti-Quan; Sun, Da-Song  
   **Source:** Information Technology Journal, v 8, n 8, p 1263-1268, 2009  
   **Language:** English

77. **Vision-based road detection by hidden Markov model**

   Wang, Yanqing (School of Computer Science and Technology, Harbin University of Science and Technology, NO.52 Xuefu Road, Harbin Heilongjiang 150080, China); Chen, Deyun; Tao, Liyuan; Shi, Chaoxia  
   **Source:** Proceedings of SPIE - The International Society for Optical Engineering, v 7489, 2009,  
   **Language:** English
78. Predicted rake face wear of pcbn cutting tools in high-speed precision hard cutting

Wang, Y. (Harbin University of Science and Technology, Harbin, 150080, China); Zhai, Y.S.; Yan, F.G.; Liu, X.L. Source: Advanced Materials Research, v 69-70, p 163-166, 2009 Language: English

79. Research on PD locating method of dry-type transformer with subsection and layer windings based on transfer functions

Zheng, Dianchun (Key Laboratory of Engineering Dielectric and its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); Zhao, Dawei; Zhang, Lianxing; Chen, Xuefeng Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, p 534-537, 2009, 2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009 Language: English

80. The feature model of general ERP system for discrete manufacturing industry


81. Research on project level collaborative design process oriented to complex product

Wang, Y.P. (Contemporary Manufacturing Engineering and Cutter Exploitation Laboratory, Harbin University of Science and Technology, China); Ge, J.H.; Shao, J.P.; Li, Z.Q. Source: Materials Science Forum, v 628 629, p 37-42, 2009, Advances in Materials Manufacturing Science and Technology XIII: Modern Design Theory and Methodology, MEMS and Nanotechnology, Material Science and Technology in Manufacturing Language: English

82. Influence of distributions of circulation losses and iron losses on stator temperature field and heat transfer coefficient’s calculation of outer surface of insulation

Zhou, Feng (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, Heilongjiang Province, China); Guan, Chun-Wei; Li, Wei-Li; Zhao, Fen Source: Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering, v 29, n 21, p 124-130, July 25, 2009 Language: Chinese

83. New type of gene gun driven by pulsed electromagnetic force and simulation of its driving system

Wei, Xin-Lao (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150080, China); Zhang, Ying; Wang, Yong-Hong; Chen, Qing-Guo Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 13, n 2, p 222-226, March 2009 Language: Chinese

84. Optimization of high speed milling cutter based on critical cutting speed

Jiang, B. (Harbin University of Science and Technology, 52 Xuefu Road, Harbin, 150080, China); Zheng, M.L.; Xu, F. Source: Key Engineering Materials, v 392-394, p 793-797, 2009

85. Preparation of three-layer polyimide/nano-alumina composite films

Liu, Li-Zhu (Material Science and Engineering College, Harbin University of Science and Technology, Harbin 150040, China); Song, Yu-Xia; Weng, Ling; Zhao, Hong; Lei, Qing-Quan Source: Gongneng Cailiao/Journal of Functional Materials, v 40, n 2, p 236-238, February 2009 Language: Chinese
86. Analysis and calculation of the operation characteristics for Powerformer
   Ge, Baojun (Harbin University of Science and Technology, Harbin, China); Zhang, Jian, Lin, Peng; Chen, Zengfen

87. Preparation and characterization of boehmite/polyimide nanocomposite films
   Zhou, Hong (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin 150040, China); Fan, Yong; Wang, Xiaolin; Li, Juan; Chen, Hao; Zhang, Mingyan
   Source: Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society, v 37, n 8, p 1288-1292, August 2009
   Language: Chinese

88. Penetration state recognition of MIG welding based on genetic wavelet neural network
   Wen, Jianli (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin 150080, China); Liu, Lijun; Lan, Hu
   Source: Hanjie Xuebao/Transactions of the China Welding Institution, v 30, n 8, p 41-44, August 2009
   Language: Chinese

89. 2D FEM estimate of tool wear in hard cutting operation: Tool wear and simulation of hard cutting process under steady state
   Yan, F.G. (Harbin University of Science and Technology, Harbin, 150080, China); Yue, C.X.; Liu, X.L.; Li, Y.F.; Ji, S.Y.
   Source: Advanced Materials Research, v 69-70, p 306-310, 2009
   Language: English

90. Researches on controlled synthesis of a new kind of one dimensional nano- Material and its electric characteristics
   Zhang, Dong (College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin, 150040, China); Song, Wei; Wang, Xuan; Lei, Qingquan
   Language: English

91. Supply chain network equilibrium with stochastic demand under disruptions
   Teng, Chun-Xian (School of Management, Harbin University of Science and Technology, Harbin 150080, China); Hu, Yin-Xia; Zhou, Yan-Shan
   Language: Chinese

92. Study on forming quality control of bending tube in power station boiler
   Lai, Y.N. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Ren, S.L.; Zhang, G.Y.; Liu, G.F.
   Source: Key Engineering Materials, v 392-394, p 409-413, 2009

93. Analysis and calculation of no-load EFM waveform for Powerformer
   Ge, Baojun (Harbin University of Science and Technology, Harbin, China); Guan, Xing; Tao, Daiun

94. Path planning research and simulation of planar 3R redundant robot
   Li, Dongjie (College of Automation, Harbin University of Science and Technology, Harbin, China); Wang,
95. **Applications of HLA on platform of complex product’s cooperative design & simulation**


96. **Research on reliability grading acceleration test of Pt film temperature sensor**

Guo, Jianying (Department of Measurement Technology and Instrument, Harbin University of Science and Technology, Harbin 150080, China); Ding, Xibo; Sun, Yongquan; Liu, Xinhua Source: *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 30, n 6, p 1129-1133, June 2009 Language: Chinese

97. **Research of in-situ modeling process for fiber winding composite shell**

Xu, Jia-Zhong (College of Automation, Harbin University of Science and Technology, Harbin 150080, China); Qiao, Ming; You, Bo; Wang, Xin-Ying Source: *Cailiao Kexue yu Gongyi/Material Science and Technology*, v 17, n 2, p 191-194, April 2009 Language: Chinese

98. **Research on data synchronizing storage of multi-channel ADCs time-interleaved high speed sampling**

Tong, Ziquan (Harbin University of Science and Technology, Harbin 150040, China); Gai, Jianxin Source: *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, v 30, n SUPPL., p 292-295, June 2009 Language: Chinese

99. **Design on 3D complex groove of turning inserts with MATLAB**

Feng, X.M. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin 150080, China); Tan, G.Y.; Li, G.H.; Zhang, Y.H. Source: *Advanced Materials Research*, v 69-70, p 636-640, 2009 Language: English

100. **Research on web service-based interoperability of heterogeneous PDM systems**

Wang, Yaping (Contemporary Manufacturing Engineering and Cutter Exploitation Laboratory, Harbin University of Science and Technology, Harbin, China); Ge, Jianghua; Shao, Junpeng; Han, Songtao Source: *2009 International Conference on Measuring Technology and Mechatronics Automation, ICMTMA 2009*, v 3, p 851-854, 2009 *2009 International Conference on Measuring Technology and Mechatronics Automation, ICMTMA 2009* Language: English

101. **Electric power load profile estimation based on blind source separation**

Liu, Yu (Harbin University of Science and Technology, Harbin 150040, China); Wei, Qi; Wei, Xinliao Source: *Diangong Jishu Xuebao/Transactions of China Electrotechnical Society*, v 24, n 10, p 160-164+169, October 2009 Language: Chinese

Database: Compendex

102. **Precision estimation of aspheric surface by stitching interferometry based on correcting aberration**
103. Duality gap of the conic convex constrained optimization problems in normed spaces
   Ban, Liqun (Department of Mathematics, Harbin University of Science and Technology, Harbin 150080, China); Song, Wen

104. Failure modes analysis of electromagnetic flowmeter based on failure data statistics
   Zhou, Zhen (College of Measurement-Control Technology and Communications Engineering, Harbin University of Science and Technology, Harbin 150040, China); Ma, Dezhong; Yu, Xiaoyang; Qin, Yong; Zhang, Lina

105. Cutting force empirical model of high-speed precision hard cutting GCr15
   Hu, J.S. (Harbin University of Science and Technology, Harbin, 150080, China); Zhai, Y.S.; Yan, F.G.; Li, Y.F.; Liu, X.L.
   Source: Advanced Materials Research, v 69-70, p 301-305, 2009

106. Ontology-based model for software resources interoperability
   Ding, Bo (Research Institute of Computer Applied Techniques, Harbin University of Science and Technology, Harbin 150080, China); Sun, Li-Juan
   Source: Information Technology Journal, v 8, n 6, p 871-878, 2009

107. Composing disparate services and data dynamically based on EBS
   Peng, Shu-Qing (College of Computer Science and Technology, Harbin University of Science and Technology, Harbin, 150080, China); Chen, De-Yun
   Source: Information Technology Journal, v 8, n 5, p 786-790, 2009

108. Microstructure and mechanical properties of AZ31B magnesium alloy recycled by solid-state process from different size chips
   Wu, Shuyan (School of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, 150040, China); Ji, Zesheng; Zhang, Tielei
   Source: Journal of Materials Processing Technology, v 209, n 12-13, p 5319-5324, July 1, 2009

109. Realization on fractal interpolation of non-rule geometry
   Sun, B.W. (Computer Center, Harbin University of Science and Technology, Mail Box 159, No.52, XueFu Road, NanGang District, Harbin, 150080, Heilongjiang, China); Jiang, L.T.; Pan, H.; Zhu, H.
   Source: Key Engineering Materials, v 392-394, p 523-525, 2009

110. Dual-virtual model overlapping display method for teleoperation control
   Li, Dongjie (College of Automation, Harbin University of Science and Technology, Harbin, China); Zou, Yu; You, Bo

111. Detection and recognition of steel ball surface defect based on MATLAB
   Lin, Yongzhi (Mechanical and Power Engineering College, Harbin University of Science and Technology, Harbin, 150080, China); Liu, Xianli; Han, Haiying; Wang, Yiwen; Wang, Peng
   Source: Key Engineering Materials, v 416, p 603-608, 2009
112. **Robust H2/H∞ controllers of sampled-data systems with fast time-varying disturbances based on proportional-integral state observers**  
**Wu, Jun-Feng** (Department of Automation, Harbin University of Science and Technology, Harbin 150080, China); **Dong, Li-Zhi; Ai, Ling**  
**Source:** Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 13, n 5, p 772-777, September 2009  
**Language:** Chinese

113. **Research on fault location of aircraft cable based on neural network**  
**Shi, Xudong** (College of Measure and Control, Harbin University of Science and Technology, Harbin, HeiLongJiang 150080, China); **Liu, Xiaolin; Pei, Heyan**  
**Language:** English

114. **Structure and optical properties of doped ZnO/CoO films**  
**Chen, Chuntian** (Harbin University of Science and Technology, Harbin, 150040, China); **Cao, Jinglei; Jiang, Yongjian; Zhang, Xueming; Zhang, Xianyou**  
**Language:** English

115. **Effect of Ni addition on the Sn-0.3Ag-0.7Cu solder joints**  
**Lingling, Wang** (College of Material Science and Engineering, Harbin University of Science and Technology, Harbin, 150080, China); **Fenglan, Sun; Yang, Liu; Lifeng, Wang**  
**Language:** English

116. **Hardware-in-the-loop simulation of electro-hydraulic pressure servo system**  
**Shao, Junpeng** (Department of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang Province, China); **Han, Guihua; Wang, Zhongwen; Dong, Yuhong**  
**Source:** International Journal of Modelling, Identification and Control, v 8, n 3, p 191-197, 2009  
**Language:** English

117. **Fuzzy finite element optimization of complicated mechanical structure**  
**Lai, Yi-Nan** (College of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin 150080, China); **You, Bin-Di; Song, Yi-Xin; Liu, Xian-Li**  
**Source:** Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology, v 41, n 9, p 164-168, September 2009  
**Language:** Chinese

118. **Fully digital smart temperature sensor with quartz tuning fork resonator**  
**Xu, Jun** (School of Automation, Harbin University of Science and Technology, Harbin 150080, China); **You, Bo; Li, Xin; Ma, Jing**  
**Source:** Guangxue Jingmi Gongcheng/Optics and Precision Engineering, v 17, n 6, p 1453-1459, June 2009

119. **Effect of laser-texturing of cold roll on texture and mechanical properties of 3003 aluminium alloy**  
**Cai, Chun-Bo** (Department of Materials Science and Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang Province, China); **Liu, Xiua; Li, Xin; Ma, Jing**  
**Source:** Transactions of the CSChE, v 41, n 9, p 164-168, September 2009  
**Language:** Chinese
120. **Numerical simulation of liquid crystalline polymer flow into two-dimensional thin cavity moulds**  
   Sun, Jianye (Harbin University of Science and Technology, Harbin 150080, China); Ji, Ze-Sheng; Wang, Guo-Jun; Zhang, Hua-Jun  
   Source: Cailiao Rechuli Xuebao/Transactions of Materials and Heat Treatment, v 30, n 3, p 111-114, June 2009  
   Language: Chinese

121. **Robust eigenstructure assignment in descriptor second-order linear systems**  
   Huang, Ling (School of Automation, Harbin University of Science and Technology, Harbin 150080, China); Duan, Guang-Ren; Yu, Hai-Hua  
   Language: Chinese

122. **Design and calibration of single stria section contour sensor**  
   Yu, Xiao-Yang (College of Measurement-control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin 150080, China); Lu, Bing-Hui; Li, Qi; Liu, Hao  
   Source: Guangxue Jingmi Gongcheng/Optics and Precision Engineering, v 17, n 3, p 655-661, March 2009  
   Language: Chinese

123. **Elastic-plastic finite element analysis of the effect of the compressive loading on fatigue crack tip parameters**  
   Sha, Y. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin 150080, China); Tang, H.; Zhang, J.Z.  
   Source: Key Engineering Materials, v 392-394, p 980-984, 2009

124. **Study of double-motor anti-backlash of heavy NC machine tool C axis system**  
   Shao, J.P. (Department of Mechanical of Mechanical Power Engineering, Harbin University of Science and Technology, Harbin Heilongjiang Province, China); Han, G.H.; Jiao, W.B.; Liu, J.C.  

125. **Recognition of human face based on improved multi-sample**  
   Liu, Xia (Automation Institute, Harbin University of Science and Technology, Harbin 150080, China); Li, Lei-Lei; Li, Ting-Jun; Liu, Lu; Zhang, Ying  
   Source: Journal of Harbin Institute of Technology (New Series), v 16, n 3, p 424-427, June 2009  
   Language: English

126. **Numerical simulation of adiabatic shear behavior in high-speed machining of hardened steel GCr15**  
   Chen, T. (Laboratory of Advanced Manufacturing Technology and Cutting Tools, Harbin University of Science and Technology, Harbin 150080, China); Liu, X.L.; Luo, G.T.; Yan, F.G.; Jia, D.K.  
   Source: Advanced Materials Research, v 69-70, p 476-479, 2009  
   Language: English

127. **Torsional vibration test of mechanical system using sensorless detection method**  
   Shi, Xianjiang (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin Heilongjiang Province, China); Guo, Hua; Shao, Junpeng  
   Language: Chinese
128. Two-phase flow parameters measurement and image reconstruction for electrical capacitance tomography


129. Wireless search and rescue command system based on live animals


130. Image edge detection based on wavelet transform and canny operator

Deng, Cai-Xia (Applied Science College, Harbin University of Science and Technology, Harbin 150080, China); Bai, Ting-Ting; Geng, Ying. Source: 2009 International Conference on Wavelet Analysis and Pattern Recognition, ICWAPR 2009, p 355-359, 2009, 2009 International Conference on Wavelet Analysis and Pattern Recognition, ICWAPR 2009. Language: English

131. Characteristics of electrical tree and effects of barriers on electrical tree propagation under AC voltage in LDPE

Song, Wei (College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin, 150040, China); Zhang, Dong; Wang, Xuan; Le, Qingquan. Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, p 546-549, 2009, 2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009. Language: English

132. Research on electronic cam based on nurbs interpolation algorithm

Jiazhong, Xu (Automation College, Harbin University of Science and Technology, Harbin, Harbin University of Science and Technology, Xuefu Road, 150086 Harbin, China); Lei, Zhang; Ming, Qiao. Source: ICEMI 2009 - Proceedings of 9th International Conference on Electronic Measurement and Instruments, p 4669-4674, 2009, ICEMI 2009 - Proceedings of 9th International Conference on Electronic Measurement and Instruments. Language: English

133. An experimental investigation on the influence factors of the electric field-dependant conductivity of LDPE/ZnO composites

Guo, Wen-Min (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, China); Han, Bao-Zhong; Li, Zhong-Hua. Source: Gongneng Cailiao/Journal of Functional Materials, v 40, n 6, p 943-954+952, June 2009. Language: Chinese

134. Curing process simulation of fiberglass-reinforced plastic (FRP) pipes

Xu, J.Z. (College of Automation, Harbin University of Science and Technology, XueFu Road, No. 52, Harbin 150080, China); You, B.; Wang, B.G. Source: Materials and Manufacturing Processes, v 24, n 6, p 657-666, June 2009.
135. An infrared human face recognition method based on 2DPCA
   Liu, Xia (Automation Institute, Harbin University of Science and Technology, Harbin 150080, China); Li, Ting-Jun
   Source: Journal of Harbin Institute of Technology (New Series), v 16, n 2, p 265-268, April 2009

136. Characteristic performance analysis of squirrel cage induction motor with broken bars
   Ying, Xie (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, China)

137. Study on grid-connection of Powerformer
   Zhao, Jinshi (Harbin University of Science and Technology, Harbin, China); Ge, Baojun; Lin, Peng; Tao, Dajun

138. Synthesis of ester-tin (butyl acrylate) and processing stability for PVC
   Zhang, Shuhua (School of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin 150040, Heilongjiang, China); Liu, Bo; Cao, Jian; Zhu, Hui
   Source: Huagong Xuebao/CIESC Journal, v 60, n 8, p 2112-2117, August 2009
   Language: Chinese

139. Design and implementation of hardware system for electrical capacitance tomography
   Ying, Ji (Dept. Computer Science, Harbin University of Science and Technology, Harbin, China)

140. Highly selective synthesis of dimethyl carbonate from urea and methanol catalyzed by ionic liquids
   Wang, Hong (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Lu, Bin; Wang, Xiaoguang; Zhang, Jiawei; Cai, Qinghai
   Source: Fuel Processing Technology, v 90, n 10, p 1198-1201, October 2009
   Language: English

141. P2P-based live media streaming system
   Pei, Shujun (Computer Science and Technology, Harbin University of Science and Technology, Harbin, China); Chen, Deyun
   Language: English

142. Shear strength and fracture surface analysis of BiAgNiCuGe/Cu joint
   Meng, Gongge (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin 150040, China); Li, Zhengping
   Language: Chinese

143. Boxed milk metamorphism detecting method based on wavelet and hilbert transform
   Shi, Xianjiang (Department of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang Province, China); Zhao, Xinjie; Xiao, Guanhui
144. **Research on detection system of ceramic tile based on image processing**
   
   You, Bo (Harbin University of Science and Technology, Harbin 150080, China); Yan, Chao; Qiao, Ming; Xu, Jiazhong  
   **Language:** English

145. **Individuality music recommendation model based on MFCC and GMM**
   
   Niu, Bin (School of Measurement-Control Tech. and Communications Engineering, Harbin University of Science and Technology, Harbin 150040, China); Kong, Ling-Zhi; Luo, Sen-Lin; Pan, Li-Min; Guo, Liang  
   **Source:** Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology, v 29, n 4, p 351-355, April 2009  
   **Language:** Chinese

146. **Numerical simulation of film cooling in leading edge of turbine blade**
   
   Dai, Ping (College of Power and Energy Engineering, Harbin University of Engineering, Harbin 150001, China); Lin, Feng  
   **Source:** Hangkong Dongli Xuebao/Journal of Aerospace Power, v 24, n 3, p 519-525, March 2009  
   **Language:** Chinese

147. **High speed milling stability of cutter with indexable inserts**
   
   Zheng, M.L. (Harbin University of Science and Technology, 52 Xuefu Road, Harbin, 150080, China); Jiang, B.; Zhang, W.; Liu, J.  
   **Source:** Key Engineering Materials, v 392-394, p 560-564, 2009

148. **Effect of nano Al2O3 crystallographic structure on properties of polyimide hybrid films**
   
   Liu, Li-Zhu (Material Science and Engineering College, Harbin University of Science and Technology, Harbin 150040, China); Gao, Lin; Cui, Wei-Wei; Weng, Ling; Zhao, Hong; Lei, Qing-Quan  
   **Source:** Cailiao Kexue yu Gongyi/Material Science and Technology, v 17, n 4, p 508-511+515, August 2009  
   **Language:** Chinese

149. **Optimization of real-valued self set for anomaly detection using Gaussian distribution**
   
   Xi, Liang (College of Computer Science and Technology, Harbin University of Science and Technology, 150080 Harbin, China); Zhang, Fengbin; Wang, Dawei  
   **Source:** Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), v 5855 LNAI, p 112-120, 2009, Artificial Intelligence and Computational Intelligence - International Conference, AICI 2009, Proceedings  
   **Language:** English

150. **Energy balancing clustering algorithm for wireless sensor network**
   
   Li, Lan-Ying (Department of Computer Science, Harbin University of Science and Technology, Harbin, China); Jiang, Xiu-Li; Zhong, Sheng-Hai; Hu, Lei  

151. **Analysis and calculation of 3D temperature field of submersible motor rotor**
152. **A novel Gauss-Newton image reconstruction algorithm for Electrical Capacitance Tomography System**

**Meng, Da-Wei** (School of Electrical and Electronics Engineering, Harbin University of Science and Technology, Harbin 150040, China); **Liu, Yu**; **Xu, Yong-Ming**


153. **Speed ratio control for cars equipped with metal v-belt continuously variable transmission**

**Chen, De-Yun** (Harbin University of Science and Technology, Harbin 150080, China); **Chen, Yu**; **Wang, Li-Li**; **Yu, Xiao-Yang**

Source: *Tien Tzu Hsueh Pao/Acta Electronica Sinica*, v 37, n 4, p 739-743, April 2009 Language: Chinese

154. **Synthesis of bis(p-aminophenoxy) dimethylsilane and silicone-containing polyimide**

**Zhou, Meilan** (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, 23 SanDaDongLi Road, Harbin, 150040, China); **Zhang, Bin**; **Wen, Jiabin**


155. **Effect of nanometer inorganic particles on DC breakdown characteristics of Al203/PI Films**

**Bu, Wenbin** (Ministry of Education, School of Applied Science, Harbin University of Science and Technology, Harbin, 150040, China); **Yin, Jinghua**; **Song, Yilei**; **Liu, Xiaoxu**; **Yuani, Pengliang**; **Yong, Fan**


156. **Unsupervised color-texture image segmentation based on a new clustering method**

**Yan, Yixin** (College of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, 150040, China); **Shen, Yongbin**; **Li, Shengming**


157. **A new fiber winding precisiong tension control system**

**Deli, Jia** (Institute of Automation Engineering, Harbin University of Science and Technology, Harbin 150080, China); **Jinsong, He**; **Changjiang, Zhao**

Source: *ICEMI 2009 - Proceedings of 9th International
159. **Estimation of engine torque based on improved BP neural network**  
Wang, Xudong (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, China); Wu, Xiaogang; Jing, Jimin; Yu, Tengwei  
**Language:** English

160. **Application of ant colony optimization algorithm to selection of clusters partners for creative industry**  
Li, Yu-Hua (College of Management, Harbin University of Science Technology, 150040, China)  
**Language:** English

161. **Investment benefit analysis on network marketing tool**  
Hu, Xianwu (Institute of Systems Engineering, Harbin University of Science and Technology, Harbin 150080, China); Teng, Chunxian; Zhou, Huanhuai  
**Source:** Journal of Information and Computational Science, v 6, n 1, p 391-398, January 2009

162. **Study on confirming increasable bottleneck device in complex product dynamic scheduling**  
Zhiqiang, Xie (College of Computer Science and Technology, Harbin University of Science and Technology, Harbin, China); Yong, Liu; Shuzhen, Hao; Guangyu, Tan; Fengru, Wang  

163. **Dynamic modeling and optimized energy distribution of a novel amphibian legged robot**  
Wang, M.N. (School of Mechanical and Electric Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang Province, China); Chen, C.  
**Source:** Key Engineering Materials, v 392-394, p 223-228, 2009

164. **Thermal imaging experimental research on temperature field for milling insert**  
Zhang, Y.H. (Engineering Center, Harbin University of Science and Technology, Harbin, 150080, China); Tan, G.Y.; Liu, G.J.  
**Source:** Key Engineering Materials, v 392-394, p 924-928, 2009

165. **Review of the current application of nonlinear acoustics and time reversal acoustics in material defects identification**  
Li, Dayong (School of Material Science and Engineering, Harbin University of Science and Technology, Harbin 150080, China); Gao, Guili; Dong, Jingwei  
**Source:** Jixie Gongcheng Xuebao/Journal of Mechanical Engineering, v 45, n 1, p 1-8, January 2009  
**Language:** Chinese

166. **Preparation of exfoliated graphite containing manganese oxides with high electrochemical capacitance by microwave irradiation**  
Yan, Jun (Key Laboratory of Superlight Materials and Surface Technology, Ministry of Education, College of Material Science and Chemical Engineering, Harbin, 150001, China); Fan, Zhuangjun; Wei, Tong;
167. **Block-based adaptive image watermarking scheme using just noticeable difference**

Yixin, Yan (College of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, 150040, China); Wei, Cao; Shengming, Li


Language: English

168. **An integrating data mining algorithm in mobile target vectoring based on Kalman Filter**

Wang, Liqi (School of Computer and Information Engineering, Harbin University of Commerce, Harbin, China); Wang, Mingyi; Zhang, Liyong


Language: English

169. **The electric field distribution in oil cardboard composited insulation system under a polarity reversed voltage**

Wei, Xinlao (Key Laboratory of Engineering Dielectrics and Its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); Wang, Yonghong; Chen, Qingguo


Language: English

170. **Kinetic Behaviors and Dielectric Strength of SF6 and N 2 over the E / N Range from 160 to 650Td**

Zheng, Dianchun (Key Laboratory of Engineering Dielectric and its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); Chen, Xuefeng; Zhang, Lianxing


Language: English

171. **Measurement of dielectric loss factor of high voltage capacitive apparatus based on DSP**

Si, Changjian (Key Laboratory of Engineering Dielectrics and its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); Chen, Qingguo; Li, Guangjun; Wei, Xinlao; Wang, Yonghong


Language: English

172. **A novel rational measurement method for electric energy of distorted signals**

Zhang, Xiaobing (College of Measure-Control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin, 150040, China); Yan, Yixin; Cao, Wei; Wu, Haibin


Language: English
173. A novel method for object recognition under varying illumination

Wang, Yanqing (School of Computer Science and Technology, Harbin University of Science and Technology, Harbin, Heilongjiang, China); Chen, Deyun; Shi, Chaoxia


Language: English

174. Distribution principle of face force density and stress state for the waved-edge milling insert

Wu, Ming-Yang (Mechanical and Power Engineering College, Harbin University of Science and Technology, Harbin 150080, China); Liu, Xian-Li

Source: Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology, v 41, n 9, p 156-159, September 2009

Language: Chinese

175. Study on the static stability of a high voltage cable-wound generator

Ge, Baojun (Harbin University of Science and Technology, Harbin, China); Tao, Dajun; Zhang, Zhigang; Lv, Yanling


176. Structure compensation control of eliminating superfluous force of electro-hydraulic load simulator

Shao, Jun-Peng (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin 150080, China); Li, Jian-Ying; Wang, Zhong-Wen; Han, Gui-Hua

Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 13, n 4, p 586-591, July 2009

Language: Chinese

177. Sensorless detection and diagnosis method for induction motor and its driven equipment

Shi, X.J. (Mechanical and Power Engineering College, Harbin University of Science and Technology, Harbin, 150080, China); Zhang, C.X.; Shao, J.P.


178. Study on simulation system of cut-in disrepair for the milling insert with 3D complex groove

Wang, Z.G. (Mechanical Engineering Department, Harbin University of Science and Technology, P.O.Box 92, 150080, China); Zhao, P.; Li, Z.J.; Zhu, D.H.


179. Research on a sort of fault diagnosis method of analog circuit

Hu, Shi-Ling (Institute of Automation, Harbin University of Science and Technology, Harbin 150080, China); Chen, Hu-Cheng; Zheng, Xin-Long

Source: Dianli Xitong Baohu yu Kongzhi/Power System Protection and Control, v 37, n 16, p 54-58, August 16, 2009

Language: Chinese

180. Microstructure and mechanical properties of ZM6 magnesium alloy produced by extrusion of machined chips

Wen, L.H. (School of Materials Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road, Harbin 150040, China); Ji, Z.S.; Xin, M.D.

Source: Materials Science and Technology, v 25, n 10, p 1222-1226, 2009

Language: English

181. Motion control and experimentation on the dental arch generator driven by multi-motors

Jiang, Jingang (Intelligent Machine Institute, Harbin University of Science and Technology, Harbin
182. **Photoluminescence measurement of poly (Ethylene Terephthalate) films**

Lin, Jiaqi (Key Laboratory of Ministry of Education, Harbin University of Science and Technology, Harbin 150080, China); Ni, Haifang; Wang, Chen; Lei, Qingquan


Language: English

183. **FDI spillovers and economic growth in China**

Jia, HongYu (Harbin University of Science and Technology, Harbin, 150080, China); Ma, JingMei


Language: English

184. **Effect of organo-montmorillonite dispersion on properties of epoxy resin nanocomposites**

Guo, Ning (Key Laboratory of Engineering Dielectric and its Application, Harbin University of Science and Technology, Ministry of Education, Harbin, 150040, China); Gao, Junguo; Zhang, Mingyan; Lu, Zelun; Zhang, Xiaohong


Language: English

185. **Analysis for relationship of transmembrane potential-pulsed electric field frequency**

Jiahui, Li (College of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); Xinlao, Wei; Yonghong, Wang; Gongqiang, Liu

Source: Food and Bioproducts Processing, v 87, n 4, p 261-265, December 2009

Language: English

186. **Study the surface charge of both original and corona-resistant polyimide films by electrostatic force microscope**

Sun, Zhi (College of Electrical and Electronic Engineer, Harbin University of Science and Technology, Harbin 150040, China); Han, Bai; Wang, Xuan; Le, Qingquan


Language: English

187. **Application of wavelet and hilbert transform in the detecting parameter recognition of box milk quality**

Shi, Xianjiang (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, Heilongjiang, China); Jin, Qiang; Zhao, Xinjie


Language: English

188. **Study on distributing principle of force density function for complex three-dimension groove milling insert**

Cheng, Y.N. (School of Mechanical Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Li, Z.J.; Zheng, M.L.; Zhao, Y.G.

189. Autonomous navigation based on a novel topological map
Wang, Yanqing (School of Computer Science and Technology, Harbin University of Science and Technology, Harbin, Heilongjiang, China); Chen, Devun; Shi, Chaoxia
Language: English

190. Solving university course timetabling problems by a novel genetic algorithm based on flow
Yue, Zhenhua (Dept. of Material Physics, Harbin University of Science and Technology, Harbin, China); Li, Shanqiang; Xiao, Long
Language: English

191. Related technologies of narrowband filter low-velocity flow electromagnetic flowmeter
Niu, Bin (College of Measure-control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin 150080, China); Chen, Song-Jing; Pang, Bing; Liang, Yuan-Hua
Language: Chinese

192. Hierarchical routing for large scale bluetooth network
Li, Xiang (College of Computer Science and Technology, Robot Research Institute, Harbin, China); Men, Chaoguang; Li, Mantian; Sun, Lining

193. Modeling and simulation of leading phase operation of Powerformer
Ge, Bao-Jun (College of Electric and Electronic Engineering, Harbin University of Science and Technology, Harbin 150040, China); Gu, Feng-Ling
Source: Dianji yu Kongzhi Xuebao/Electric Machines and Control, v 13, n 1, p 17-21, January 2009
Language: Chinese

194. Sensitive properties of In-based compound semiconductor oxide to Cl2 gas
Zhao, Wenjie (School of Applied Sciences, Harbin University of Science and Technology, Harbin 150080, China); Shi, Yunbo; Xiu, Debin; Lei, Tingping; Feng, Qiaohua; Wang, Liquan
Source: Journal of Semiconductors, v 30, n 3, p 0340101-0340104, March 2009

195. Quartz tuning fork temperature sensor testing system based on programmable chip
Xu, Jun (College of Automation, Harbin University of Science and Technology, Harbin, 150080, China); You, Bo; Hu, LiHua; Ma, Jing; Li, Xin

196. Motion analysis and simulation of complex curved surface WEDM system
Wang, T. (Lab. of Advanced Manufacturing Technology and Cutting Tools (Key College Lab.), Harbin University of Science Andtechnology, 52 Xuefu Road, Harbin, 150080, China); Jiang, K.; Xie, S.Q.; Hao, S.S.

197. Telerobot control system with Petri Net-based multi-control modes transfer in due time
You, B. (College of Automation, Harbin University of Science and Technology, Harbin 150080, China); Li,
198. A new algorithm for complex product flexible scheduling with constraint between jobs
   Xie, Zhiqiang (School of Computer Science and Technology, Harbin University of Science and Technology, Harbin, China); Hao, Shuzhen; Ye, Guangjie; Tan, Guangyu Source: Computers and Industrial Engineering, v 57, n 3, p 766-772, October 2009 Language: English

199. Implementation approach for Gaussian filter in surface measurement applying B-spline function
   Xu, Jingbo (College of Measure-control Technology and Communication Engineering, Harbin University of Science and Technology, Harbin 150040, China); Yuan, Yibao; Liu, Be; Piao, Weijing; Zhang, Hao Source: Jixie Gongcheng Xuebao/Journal of Mechanical Engineering, v 45, n 8, p 238-242, August 2009 Language: Chinese

200. Simulation model establishment and analysis for dynamic supply chain network equilibrium

201. Structural design method of high speed face milling cutter based on theory of axiomatic design
   Jiang, B. (Harbin University of Science and Technology, 52 Xuefu Road, Harbin 150080, China); Zheng, M.L.; Zheng, M.L.; Jiang, L. Source: Advanced Materials Research, v 69-70, p 456-460, 2009 Language: English

202. Analysis of electrical field on valve side winding of converter transformer
   Gao, Yuan (Key Laboratory of Engineering Dielectrics and Its Application, Ministry of Education, Harbin University of Science and Technology, Harbin, 150040, China); Chen, Qingguo; Li, Guangjun; We, Xinlao; Wang, Yonghong Source: Proceedings of the IEEE International Conference on Properties and Applications of Dielectric Materials, p 85-88, 2009, 2009 IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009 Language: English

203. Fault diagnosis in nonlinear analog circuit based on Wiener kernel and BP neural network
   Lin, Haijun (Harbin University of Science and Technology, Harbin 150040, China); Zhang, Liyong; Ren, Dianyi; Kang, Hui; Gu, Geng Source: Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument, v 30, n 9, p 1946-1949, September 2009 Language: Chinese

204. Parallel high-power inverting power supply for DJ1 locomotive

205. Simulation of PMSM field-oriented control based on SVPWM
   Wang, Xudong (School of Electrical and Electronic Engineering, Harbin University of Science and Technology, Harbin, China); Liu, Ning; Na, Risha Source: 5th IEEE Vehicle Power and Propulsion Conference, VPPC '09, p 1465-1469, 2009, 5th IEEE Vehicle Power and Propulsion Conference, VPPC '09 Language: English
206. Novel progress of leg tissue properties modeling based on biomechanics
Wang, Mo-Nan (School of Mechanical and Electric Engineering, Harbin University of Science and Technology, Harbin 150080, China) Source: Journal of Harbin Institute of Technology (New Series), v 16, n 1, p 57-60, February 2009

207. Mechanical properties and fracture behavior of Mg-2.4Nd-0.6Zn-0.6Zr alloys fabricated by solid recycling process
Ji, Z.S. (School of Materials Science and Engineering, Harbin University of Science and Technology, 4 Linyuan Road, Harbin, 150040, China); Wen, L.H.; Li, X.L. Source: Journal of Materials Processing Technology, v 209, n 4, p 2128-2134, February 19, 2009

208. Theoretical study on the reaction of SiH(CH3)3 with SiH3 radical
Zhang, Hui (College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin 150080, China); Zhang, Gui-Ling; Liu, Jing-Yan; Sun, Miao; Liu, Bo; Li, Ze-Sheng Source: Journal of Computational Chemistry, v 30, n 2, p 236-242, January 30, 2009

209. Design and development of integrated system on CAD/CAE /CAPP for tube-bending in power plants boiler
Lai, Y.N. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, China); Ren, S.L.; Yu, Y.T. Source: Key Engineering Materials, v 392-394, p 957-961, 2009

210. Defect structure and optical damage resistance of Sc:Mn:Fe:LiNbO3 crystals
Zheng, Wei (College of Materials Science and Engineering, Harbin University of Science and Technology, Harbin 150040, China); Li, Guangbin; Xu, Yuheng Source: Kuei Suan Jen Hsueh Pao/ Journal of the Chinese Ceramic Society, v 37, n 1, p 135-137, January 2009

211. Simulation of cutting force in turning machining process on CK7815 NC lathe
Dong, Y.H. (School of Mechanical and Power Engineering, Harbin University of Science and Technology, Harbin, 150080, China); Xu, H.T.; Lin, H. Source: Key Engineering Materials, v 392-394, p 64-68, 2009