<P020412> **PELINESCU Diana M. and WANG Michael Yu.** "Multi-Objective Optimal Fixture Layout Design". *Robotics and Computer Integrated Manufacturing* vol.18 no.5-6, pp.365-372. Elsevier Science Ltd., 2002.10.

<P020435> **WANG Michael Yu.** "Efficient Prediction of Workpiece-Fixture Contact Forces". *Advances in Systems Engineering, Signal Processing and Communications* ed. by N. Mastorakis. pp.121-127,. WSEAS Press, 2002.

<P020436> **ZHAO Ya-pu and LI Wen Jung.** "Surface Stability of Epitaxial Elastic Films by the Casimir Force". *Chinese Physics Letters, Chinese Physical Society/IOP* vol.19 no.8, pp.1161-1163. Chinese Physical Society and IOP Publishing Ltd, 2002.08.

<P020677> **OU Yong Sheng and XU Yangsheng.** "Balance Control of a Single Wheel Robot". *Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems EPFL* pp.2043-2048. Lausanne, Switzerland: IEEE, 2002.10.

<P020686> **WANG Michael Yu.** "Tolerance Analysis And Characterization in Workpiece Fixturing". *Proceedings of 2002 Japan-USA Symposium on Flexible Automation* Total 7 pages. Hiroshima, Japan, 2002.07.14.

<P020936> **LAN Wei Yao and HUANG Jie.** "Neural Network Based Approximate Output Regulation in Discrete-time Uncertain Nonlinear Systems". *Proceedings of the 41st IEEE Conference on Decision and Control* pp.1764-1769. Las Vegas, United States of America: IEEE, 2002.12.

<P021698> **LAI Wai Chiu King and LI Wen Jung.** "Automated Micro-Assembly of MOEMS by Centrifugal Force". *9th IEEE Conference on Mechatronics and Machine Vision in Practice, 2002* pp.300-304. Chang Mai, Thailand: M2VIP, 2002.09.

<P021911> **SUN D. and MILLS James K.** "Adaptive Synchronized Control for Coordination of Multi-Robot Assembly Tasks". *IEEE Transactions on Robotics and Automation* vol.18 no.4, pp.498-510. 2002.08.

<P021925> **GE Ming; ZHANG Guicai; DU Ruxu and XU Yangsheng.** "Application of Support Vector Machine Based Fault Diagnosis". *Proceedings of IFAC 15th Triennial World Congress 2002* 6 pgs. Barcelona, Spain: IFAC, 2002.

<P021950> **WANG Michael Yu.** "Characterizations of Localization Accuracy of Fixtures". *IEEE Transactions on Robotics and Automation* vol.18 no.6, pp.976-981. IEEE, 2002.12.

<P022033> **XIANG Guoliang; LIU Yunhui; DING Dan and SHEN Yantao.** "An Internet Based Pulse Palpation System for Chinese Medicine". *Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems EPFL* pp.1481-1486, Vol. 2. Lausanne, Switzerland: IEEE, 2002.10.

<P022063> **HEERAH I.; KANG B.; MILLS James K and BENHABIB B.** "Architecture Selection and Singularity Analysis of a 3-Degree of Freedom Planar Parallel Manipulator". *Proceedings 27th Biennial Mechanisms and Robotics Conference* Montreal, Canada, 2002.09.29.

<P022085> **CHEN Zhiyong and HUANG Jie.** "Global Robust Stabilization of Cascaded Polynomial Systems". *Systems & Control Letters* vol.47 pp.445-453. Elsevier Sciences B.V., 2002.

<P022273> **SUN D. and MILLS James K.** "Torque and Current Control of a High Speed Motion Control System with Sinusoidal PMAC Motors". *IEEE/ASME Transactions on Mechatronics* vol.3 no.7, pp.369-377. 2002.09.

<P022490> **鄺重平.** <勇闖人生的數學大師---史提芬。斯梅爾>. 新加坡: World Scientific Publishing Co. Pte. Ltd., 2002.11.

<P022545> **ZHU J.; SUN D.; TSO S. K. and MILLS James K.** "Vision Guidance for a Climbing Cleaning Robot". *Proceedings of 9th IEEE International Conference on Mechatronics and Machine Vision in Practice* pp.126-131. Chiang Mai, Thailand, 2002.09.

<P022745> **CHOW Hon Nin and XU Yangsheng.** "Human Inspired Approach to Navigation Control". *International Journal of Robotics and Automation* vol.17 no.4, 2002.

<P022799> **SUN D. and MILLS James K.** "Control of a Rotating Beam Using a Torque Actuator and a Distributed Piezoelectric Polymer Actuator". *Applied Acoustics* vol.63 no.7, pp.885-889. 2002.07.

<P022867> **QIN Shui Jie Julia and LI Wen Jung.** "Process Characterization of Fabricating 3D Micro Channel Systems by Laser-micromachining". *Sensors and Actuators A: Physical* vol.97-98 pp.749-757. Elsevier Sciences B.V., 2002.

<P022926> **ZHANG Yunong; JIANG Danchi and WANG Jun.** "A Recurrent Neural Network for Solving Sylvester Equation with Time-varying Coefficients". *IEEE Transactions on Neural Networks* vol.13 no.5, pp.1053-1063. IEEE, 2002.09.

<P023005> **FU K. and MILLS James K.** "Theoretical Evaluation of the Integrated Structure and Control Design Approach by Optimization Theory". *Proceedings ASME Design Automation Conference* Montreal, Canada, 2002.09.

<P023044> **CHEN Zhiyong and HUANG Jie.** "Global Output Regulation for Lower Triangular Nonlinear Systems". *Proceedings of the IFAC 19th Triennial World Congress* IFAC, 2002.07.

<P023094> **WONG Tak Sing and LI Wen Jung.** "Dependence of AC Electrophoresis Carbon Nanotube Manipulation on Microelectrode Geometry". *International Journal of Nonlinear Sciences and Numerical Simulation 3* pp.769-774. Freund Publishing House Ltd., 2002.

<P023122> **CHEN Zhiyong and HUANG Jie.** "Robust Output Regulation of Singular Nonlinear Systems". *Proceedings of the IFAC 19th Triennial World Congress* 2002.07.

<P023131> **LI Wen Jung and ZHOU Zhaoying.** "Micro Energy Systems: Research and Development in China". *Proceedings of International Workshop on Power MEMS* pp.2-5. Tsukuba, Japan, 2002.11.11.

<P023441> **ZHANG Yunong; WANG Jun and XU Yangsheng.** "A Dual Neural Network for Bi-Criteria Kinematic Control of Redundant Manipulators". *IEEE Transactions on Robotics and Automation* vol.18 no.6, pp.923-931. IEEE, 2002.12.

<P023467> **LIAO Wei Hsin; LAW Wai Wing and CHAN Kwong Wah.** "Implementation of Adaptive Structures with Enhanced Self-Sensing Piezoelectric Actuators". *Proceeding of 2002 IEEE International Conference on Industrial Technology* pp.955-960. Bangkok, Thailand: IEEE, 2002.12.

<P023490> **CHOW Hon Nin; XU Yangsheng and TSO S.K.** "Learning Human Navigational Skill for Smart Wheelchair". *Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems EPFL* pp.996-1001. Lausanne, Switzerland: IEEE, 2002.10.

<P023683> **FUNG Kar Man Carmen; LI Wen Jung and XI Ning.** "A PVDF-Based Micro-Newton Force Sensing System for Automated Micro-Manipulation". *9th IEEE Conference on Mechatronics and Machine Vision in Practice, 2002* pp.329-333. Chang Mai, Thailand: M2VIP, 2002.09.

<P023758> **ELHAJJ I.; TAN J.; XI N.; FUNG W. K.; LIU Yunhui; KAGA T.; HASEGAWA Y. and FUKUDA T.** "Multi-site Internet-based Tele-cooperation". *Integrated Computer-Aided Engineering* vol.9 pp.117-127. IOS Press, 2002.

<P023840> **LAM H. W. Raymond; ELHAJJ Imad; LI Wen Jung and XI Ning.** "A Bone Reaming System with Tactile Temperature Display". *15th IFAC World Congress 2002* Barcelona, Spain: IFAC,

2002.07.21.

<P023851> **WANG Chaoli; LIU Yunhui and WANG Y. C.** "Robust Visual Tracking of Robot Manipulators with Uncertain Dynamics and Uncalibtrated Cameras". *Proceedings of the 7th International Conference on Control, Automation and Computer Vision* pp.1144-1149. Singapore, 2002.12.

<P023898> **QIN Shui Jie Julia and LI Wen Jung.** "Micromachining of Complex Channel Systems in 3D Quartz Substrates Using Q-switched Nd:YAG Laser". *Applied Physics A: Materials Science & Processing* vol.74 no.6, pp.773-777. 2002.

<P023963> **WANG Michael Yu and PELINESCU Diana M..** "Prediction of Workpiece-Fixture Contact Forces Using the Rigid Body Model". *Proceedings of ASME 7th Design for Manufacture Conference* Montreal, 2002.09.

<P024025> **HU Sanqing and WANG Jun.** "Global Stability of a Class of Continuous-time Recurrent Neural Networks". *IEEE Transactions on Circuits and Systems - I : Fundamental Theory and Applications* vol.49 no.9, pp.1334-1347. IEEE, 2002.09.

<P024051> **HUANG Jie.** "Status of Output Regulation in Uncertain Nonlinear Systems". *Proceedings of the 21st Chinese Control Conference* pp.5-8. Hangzhou, China, 2002.08.14.

<P024131> **CHEN Zhiyong and HUANG Jie.** "Global Output Regulation of Nonlinear Triangular Systems with Uncertain Exosystem". *Proceedings of the 4th Asian Control Conference* pp.833-838. Singapore: ASCC, 2002.09.25.

<P02449> **XIONG M.; WANG Jun and WANG P.** "Differential-Algebraic Approach to Linear Programming". *Journal of Optimization Theory and Applications* vol.114 pp.443-470. USA: Plenum Publishing Corporation, 2002.07.

<P02450> **HU Sanqing and WANG Jun.** "Global Stability of a Class of Discrete-Time Recurrent Neural Networks". *IEEE Transactions on Circuits and Systems* vol.40 pp.1104-1117. USA: IEEE Press, 2002.08.

<P024587> **DONG H.; SUN D. and MILLS James K.** "A New Method for Synchronized Tracking Control of Differential Mobile Robots and its Experimental Analysis". *Proceedings 2002 IEEE International Symposium on Intelligent Control* Vancouver, Canada, 2002.10.

<P02463> **DORNAIKA Fadi Mohamad and CHUNG Chi Kit Ronald.** "Binocular Matching Constraints from Motion". *Pattern Recognition* vol.35 no.10 pp.2003-2012. Elsevier Science Ltd, 2002.10.

<P024912> **HUI Kin Chuen.** "Free-form Design Using Axial Curve-pairs". *Computer-Aided Design* vol.34 no.8, pp.583-595. United Kingdom: Elsevier, 2002.07.

<P024944> **ZHOU Wenli and LI Wen Jung.** "Micro-Fabricated Ionic Conductive Polymer Film Actuators for Aqueous Micromamipulation". *SPIE Symposium on Smart Materials, Nano- and Micro-Smart Systems 2002* vol.4936. pp.154-158. Melbourne, Australia: SPIE, 2002.12.

<P024956> **CHAN Ho Yin and LI Wen Jung.** "A Polymer-based Micro Thermal Actuator for Micromanipulations in Aqueous Environment". *International Journal of Nonlinear Sciences and Numerical Simulation 3* pp.775-778. Freund Publishing House Ltd., 2002.

<P024987> **HUI Kin Chuen and LEUNG Hoi Chau.** "Virtual Sculpting and Deformable Volume Modelling". *International Conference on Information Visualisation* pp.664-669. United Kingdom: IEEE Computer Society, 2002.07.

<P025157> **HU Sanqing and WANG Jun.** "A Gradient Flow Approach to On-line Robust Pole Assignment for Synthesizing Output Feedback Control Systems". *Automatica* vol.38 no.11, pp.1959-1968. Elsevier Science Ltd., 2002.11.

<P025200> **CHEN Zhiyong and HUANG Jie.** "Adaptive Global Output Regulation in Nonlinear Cascadeol Systems with Uncertain Exosystem". Paper presented in the 41st IEEE Conference on Decision and Control, Las Vegas, Nevada, United States of America, 2002.12.13.

<P025370> **WANG Michael Yu.** "Passive Forces in Fixturing and Grasping". *Proceedings of 9th IEEE International Conference on Mechatronics and Machine Vision in Practice, 2002* Total 9 pages. Chiang Mai, Thailand, 2002.09.10.

<P025484> **DU Ruxu and XU Yangsheng.** "A Review on the Sensing and On-line Monitoring of Sheet Metal Stamping Operations". *International Conference on Frontiers of Design and Manufacturing* Dalian, China, 2002.

<P025620> **鄺重平.** <突破維數障礙---斯梅爾傳>. 中國上海：Shanghai Scientific and Technological Literature Publishing House, 2002.10.

<P02569> **FUNG Wai Keung; LEUNG Yun Yee Martin; LIU Yunhui; XU Yangsheng; CHAN Kwong Wah; CHOW Man Kit and LAW T.W..** "Navigation of A Hospital Transport Robot Using Natural Landmarks". *Proceedings of the 2001 IEEE Int. Conf. on Mechatroncis and Machine Vision in Practice* pp.446-451. Hong Kong: IEEE, 2002.08.24.

<P025956> **LAM Alan H. F.; LI Wen Jung; LIU Yunhui and XI Ning.** "MIDS: Micro Input Devices System Using MEMS Sensors". *Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems EPFL* pp.1184-1189. Lausanne, Switzerland: IEEE, 2002.10.

<P025961> **WANG Michael Yu and PELINESCU Diana M.** "Efficient Prediction of Workpiece-Fixture Contact Forces Using the Rigid Body Model". *Proceedings of the 5th International Conference on Frontiers of Design and Manufacturing (ICFDM'2002)* ed. by Dongming GUO, Dianlong WANG, Zhenyuan JIA, and Jun WANG. pp.403-408. Dalian, China, 2002.07.10.

<P025984> **DU Ruxu and GUO Weizhong.** "On the Kinematics of a New Versatile Metal Forming Press with Hybrid Mechanism". *Proceedings of 2002 Japan-USA Symposium on Flexible Automation* Hiroshima, Japan, 2002.07.14.

<P026010> **LAU Yiu Kee; WONG Kai Yan and LIAO Wei Hsin.** "Structural Control of a Prototype Building Using an MR Damper". *Proceedings of 13th International Conference on Adaptive Structures and Technologies* Potsdam/Berlin, Germany, 2002.10.

<P026041> **WANG Mingsheng and KWONG Chung Ping.** "Computing GCLF Using Syzygy Algorithm". *Proceedings of the First International Congress of Matematical Software* pp.93-103. Beijing, China: International Congress of Mathematical Software, 2002.08.

<P026165> **WANG Qi; OU Yong Sheng and XU Yangsheng.** "A Prototype Virtual Haptic Bronchoscope". *Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems EPFL* pp.1361-1366. Lausanne, Switzerland: IEEE, 2002.10.

<P026492> **YANG X. Simon; MENG Max Qing Hu and YUAN Guangfeng.** "Real-time Collision-free Path Planning and Tracking Control of a Nonholonomic Mobile Robot Using a Biologically Inspired Approach" *Journal of Advanced Computational Intelligence* 2002.07.

<P026528> **KANG B.; YEUNG B. and MILLS James K.** "Dynamic Modelling of Structurally Flexible Planar Parallel Manipulators". *Robotica* vol.20 no.5, pp.519-528. 2002.09.

<P026618> **WANG Michael Yu; LIU Tong and PELINESCU Diana M.** "A Full Contact Model for Fixture Kinematic Analysis". *Proceedings of 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)* pp.1602-1607. Lausanne, Switzerland, 2002.10.

<P026742> **CHEN Zhiyong and HUANG Jie.** "Global Tracking of Uncertain Nonlinear Cascaded Systems

with Adaptive Internal Model". *Proceedings of the 41st IEEE Conference on Decision and Control* pp.3855-3862. Las Vegas, United States of America: IEEE, 2002.12.

<P026914> **ZHANG Yunong and WANG Jun.** "A Dual Neural Network for Constrained Joint Torque Optimization of Kinematically Redundant Manipulators". *IEEE Transactions on Systems, Man and Cybernetics - Part B : Cybernetics* vol.32 no.5, pp.654-662. IEEE, 2002.10.

<P027054> **QIN Shui Jie Julia; LI Wen Jung and WANG Michael Yu.** "Fabrication of Submicron Channels in Quartz Cubes Using Laser-induced Splitting". *International Journal of Nonlinear Sciences and Numerical Simulation 3* pp.763-768. Freund Publishing House Ltd., 2002.

<P027311> **HONG Yiguang; XU Yangsheng and HUANG Jie.** "Finite Time Control for Robot Manipulators". *Proceedings of the IFAC 19th Triennial World Congress* 2002.07.

<P027569> **KAZA R. K.; SAIKUMAR S. and WANG Michael Yu.** "Solid Free Form Design for Structural Optimization". *ASME Conf. on Engineering Systems Design and Analysis* USA: ASME, 2002.07.

<P027795> **SHEN Yantao; LIU Yunhui; XIANG Guo Liang and XI Ning.** "Adaptive Motion Control of Manipulators with Uncalibrated Visual Feedback". *Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems EPFL* pp.317-322, Vol. 1. Lausanne, Switzerland: IEEE, 2002.10.

<P02834> **LO Wang-Tai; SHEN Yantao and LIU Yunhui.** "Tactile Feedback for Teleoperation of Multifingered Robot Hands". *Proceedings of the 2001 IEEE Int. Conf. on Mechatroncis and Machine Vision in Practice* pp.502-507. Hong Kong: IEEE, 2002.08.24.

<P028403> **WONG, Hau-San and CHUNG Chi Kit Ronald.** "3-D Shape Recovery across Two Views Based on Approximate Geometric Constraints". *Proceedings of the 2002 6th International Conference on Signal Processing* pp.929-932. Beijing, China: IEEE, 2002.08.

<P028577> **WANG Michael Yu; ZHAO Weijie and MANOJ Radhakrishnan.** "Numerical Modelling and Analysis of Automotive Transmission Rattle". *Journal of Vibration and Control* vol.8 no.7, pp.921-943. Sage Publications, 2002.10.

<P028779> **CHOW, Ying Ho and CHUNG Chi Kit Ronald.** VisionBug: A Hexapod Robot Controlled by Stereo Cameras *Autonomous Robots* ,Vol. 13, No. 3, 259-276. Netherlands: Kluwer Academic Publishers, 2002.11.

<P028797> **HE Zhenya; ZHANG Yifeng; WEI Chengjian and WANG Jun.** "A Multistage Self-Organizing Algorithm Combined Transiently Chaotic Neural Network for Cellular Channel Assignment". *IEEE Transactions on Vehicular Technology* vol.51 no.6, pp.1386-1396. IEEE, 2002.11.

<P028867> **FU K.; SUN D. and MILLS James K.** "Simultaneous Mechanical Structure and Control System Design: Optimization and Convex Approaches". *Proceedings 2002 IEEE International Symposium on Intelligent Control* Vancouver, Canada, 2002.10.27.

<P028876> **LAW Kwok Ho Cedric; LEUNG Yun Yee Martin; XU Yangsheng and TSO S. K.** "A Cap as Interface for Wheelchair Control". *IEEE International Conference on Intelligent Robots and Systems* pp.1439-1444. Lausanne, Switzerland: IEEE, 2002.

<P028951> **KANG B. and MILLS James K.** "Two-Time Scale Control of a High Speed Planar Parallel Manipulator with Structural Flexibility". *Proceedings 4th Asian Control Conference* 2002.09.25.

<P02920> **CHAN Zhiyong and HUANG Jie.** "Robust Output Regulation of Singular Nonliner Systems". Paper presented in the 15th Triennial World Congress of the International Federation of Automatic Control, organized by International Federation of Automatic Control. Barcelona, Spain, 2002.07.24.

<P029911> **CHEN W.; MILLS James K and SHI W.** "A New Navigation and Control Method for an Automatic Guided Vehicle". *Journal of Robotics* 2002.

<P030348> **WONG Tak Sing and LI Wen Jung.** "Bulk Carbon Nanotubes as Thermal Sensing and Electronic Circuit Elements". *IEEE International Symposium on Circuit and Systems (ISCAS) 2003* pp.844-847, vol. 4. Thailand, Bangkok, 2003.05.

<P030352> **XIONG Cai-hua; WANG Michael Yu; RONG Y. Kevin and XIONG You-lun.** "Force Closure of Fixturing/Grasping with Passive Contacts". *Proceedings of 11th International Conference on Advanced Robotics* pp.1352-1357, Vol. 3. Coimbra, Portugal, 2003.06.

<P030571> **CHUNG Chi Kit Ronald and WONG Hau San.** "Polyhedral Object Localization in an Image by Referencing to a Single Model View". *International Journal of Computer Vision* vol.51 no.2, pp.139-163. MA, United States of America: Kluwer Academic Publishers, 2003.02.

<P030718> **HUNG L. Donald and WANG Jun.** "Digital Hardware Realization of a Recurrent Neural Network for Solving the Assignment Problem". *Neurocomputing* vol.51 pp.447-461. Elsevier Science B. V., 2003.04.

<P030970> **LIAO Wei Hsin and WANG Daihua.** "Semiactive Vibration Control of Train Suspension Systems via Magnetorheological Dampers". *Journal of Intelligent Material Systems and Structures* vol.14 no.3, pp.161-172. United Kingdom: SAGE, 2003.03.

<P031013> **WONG Tak Sing and LI Wen Jung.** "Bulk Carbon Nanotubes as Sensing Element for Temperature and Anemometry Micro Sensing". *IEEE MEMS 2003* pp.41-44. Kyoto, Japan: IEEE, 2003.01.19.

<P031061> **CHEN Zhiyong and HUANG Jie.** "On Global Robust Adaptive Stabilization for Cascaded Nonlinear Systems". *Proceedings of the American Control Conference* pp.3014-3019. Denver, Colorado: IEEE, 2003.06.04.

<P031163> **ELHAJJ Imad; XI Ning; FUNG Wai Keung; LIU Yunhui; HASEGAWA Yasuhisa and FUKUDA Toshio.** "Supermedia-enhanced Internet-based Telerobotics". *Proceedings of the IEEE* vol.91 no.3, pp.396-421. IEEE, 2003.03.

<P031244> **LEE Ka Keung and XU Yangsheng.** "Computational Intelligence for Modeling Human Sensations in Virtual Environments". *Journal of Advance Computational Intelligence* 2003.

<P031251> **LEE M. H. Johnny; YUEN C. L. Steve; LI Wen Jung and LEONG H. W. Philip.** "Development of an AA-Size Energy Transducer with Micro Resonators". *IEEE International Symposium on Circuit and Systems (ISCAS) 2003* pp.876-879. Thailand, Bangkok: IEEE, 2003.05.

<P031540> **YEUNG B. and MILLS James K.** "Fundamentals of Design of a Six DOF Reconfigurable Gripper for Flexible Fixtureless Assembly". *IEEE Transactions Systems, Man and Cybernetics* 2003.

<P031961> **JIANG Zhong-ping; MAREELS Iven; HILL David J. and HUANG Jie.** "Universal Output Feedback Controllers for Nonlinear Systems with Unknown Control Direction". *Proceedings of the American Control Conference* pp.573-578. Denver, Colorado: IEEE, 2003.06.04.

<P032010> **XU M.; XU Y. and MILLS James K.** "State Transformations of Free-Floating Three Link Planar Robots". *Chinese Journal of Mechanical Engineering* 2003.

<P032122> **YAM Yeung and BARANYI Peter.** "Stabilizing Controller by Local Linearization and SVD Consolidation". *Proceedings of the American Control Conference* pp.1482-1487. Denvor, USA: IEEE, 2003.06.04.

<P032239> **WANG Daihua and LIAO Wei Hsin.** "Ride Quality Improvement Ability of Semi-Active, Active and Passive Suspension Systems for Railway Vehicles". *Proceedings of SPIE Conference on Smart Structures and Materials* pp.201-212. CA, USA: SPIE, 2003.03.

<P032413> **XU Yangsheng and GE Ming.** "Hidden Markov Model-Based Process Monitoring System". *Journal of Vibration and Control* 2003.

<P032445> **ZHANG Yunong; WANG Jun and XIA Youshen.** "A Dual Neural Network for Redundancy Resolution of Kinematically Redundant Manipulators Subject to Joint Limits and Joint Velocity Limits". *IEEE Transactions on Neural Networks* vol.14 no.3, pp.658-667. IEEE, 2003.05.

<P032548> **WANG Wei and HUANG Jie.** "Output Regulation of a Class of Singular Nonlinear Systems with the Normal Output Feedback Controller". *Asian Journal of Control* vol.5 no.1, pp.153-159. 2003.03.

<P032796> **PARK E. and MILLS James K.** "Integrated Closed-Loop Modal Truncation and Balanced LQG Control Synthesis for Vibration Control of Flexible Payloads". *Proceedings of IEEE International Conference on Control and Automation* Montreal, Canada, 2003.06.10.

<P032967> **ZHANG Guicai; ZHAO Shushang and XU Yangsheng.** "A Virtual Reality Based Arthroscopic Surgery Simulator". *Proceedings of IEEE International Conference on Robotics, Intelligent Systems, and Signal Processing* 6 pgs. Changsa, China: IEEE, 2003.

<P033021> **GUO W. Z. and DU Ruxu.** "Trajectory Planning of a New Mechanical Press with Controllable Mechanism". *Robotics and Applications 2003* Salzburg, Austria, 2003.06.

<P033077> **LEI Kin Fong; LI Wen Jung and YAM Yeung.** "Effects of Contact-Stress on Hot-embossed PMMA Microchannel Wall Profile". *High Aspect Ratio Micro-Structure Technology Workshop (HARMST)* pp.117-118. Monterey, USA, 2003.06.15.

<P033194> **GE Ming; DU Ruxu; ZHANG Guicai and XU Yangsheng.** "Fault Diagnosis Using Support Vector Machine with an Application in Sheet Metal Stamping Operations". *Journal of Mechanical Systems and Signal Processing* 22 pgs. 2003.

<P033285> **CHEN Zhiyong and HUANG Jie.** "Nonlinear Internal Model and the Robust Output Regulation Problem". *Proceedings of the American Control Conference* pp.1560-1565. Denver, Colorado: IEEE, 2003.06.04.

<P033396> **HUANG Jie.** "On the Solvability of the Regulator Equations for a Class of Nonlinear Systems". *IEEE Transactions on Automatic Control* vol.48 no.5, pp.880-885. IEEE, 2003.05.

<P033561> **SUN D. and MILLS James K.** "Torque and Current Control of Sinusoidal PMAC Motors for Direct-Drive Robot Manipulators". *Journal of Advanced Computational Intelligence* 2003.

<P033853> **ZHOU Wen Li Jennifer and LI Wen Jung.** "MEMS-Fabricated ICPF Grippers for Aqueous Applications". *The 12th International Conference on Solid-State Sensors, Actuators, and Microsystems (Transducers 03')* pp.556-559. Boston, USA: IEEE, 2003.06.08.

<P033937> **LEE Ka Keung and XU Yangsheng.** "Real-Time Estimation of Facial Expression Intensity". *Proceeding of IEEE International Conference on Robotics and Automation* 6 pgs. Taipei, Taiwan: IEEE, 2003.

<P034244> **GE Ming and XU Yangsheng.** "Kernel-based Data Compression for Internet-based Monitoring". *Journal of Advanced Manufacturing Systems* vol.2 no.1, pp.89-104. 2003.

<P034712> **LEE M. H. Johnny; YUEN C. L. Steve; LI Wen Jung and LEONG H. W. Philip.** "Micro Energy Converter for AA-Size Batteries". *The 1st International Meeting on Microsensors and Microsystems (2003)* p.135. 2003.01.12.

<P034916> **CAO Jinde and WANG Jun.** "Global Asymptotic Stability of a General Class of Recurrent Neural Networks with Time-varying Delays". *IEEE Transactions on Circuits and Systems - I : Fundamental Theory and Applications* vol.50 no.1, pp.34-44. IEEE, 2003.01.

<P034949> **CHEN W.; MILLS James K and WU L.** "Neurofuzzy and Fuzzy Control of Automotive Semi-Active Suspension Systems". *International Journal of Vehicle Autonomous Systems* 2003.01.

<P034951> **CHENG Daizhan; GUO Lei and HUANG Jie.** "On Quadratic Lyapunov Functions". *IEEE Transactions on Automatic Control* vol.48 no.5, pp.885-890. IEEE, 2003.05.

<P034961> **LEI Kin Fong; LI Wen Jung; BUDRAA Nasser and MAI D. John.** "Microwave Bonding of Polymer-Based Substrates for Micro/Nano Fluidic Applications". *The 12th International Conference on Solid-State Sensors, Actuators, and Microsystems (Transducers 03')* pp.1335-1338. Boston, USA: IEEE, 2003.06.08.

<P035306> **GE Ming; DU Ruxu and XU Yangsheng.** "Hidden Markov Model Based Fault Detection for Stamping Processes". *International Journal of Control and Intelligent Systems* 2003.

<P035317> **CHEN Zhiyong and HUANG Jie.** "Global Robust Servomechanism Problem of Lower-Triangular Systems in the General Case". *Proceedings of the 4th International Conference on Control and Autoamtion* 2003.06.

<P035451> **徐揚生、 杜如虛、 唐珩、 張桂才、 葛明 及 梁潤怡.** <在線監控沖壓過程的方法及系統>. Taiwanese Patent Certificate No. 170791,台灣, 2003.05.23.

<P035840> **HUI Kin Chuen and LAI Yuen Hoo.** "Interactive Character Animation". *International Conference on Application and Development of Computer Games* pp.133-137. Hong Kong SAR, 2003.01.

<P036266> **DORNAIKA Fadi Mohamad and CHUNG Chi Kit Ronald.** "Stereo Geometry From 3-D Ego-Motion Streams". *IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics* vol.33 no.2, pp.308-323. New York, United States of America: IEEE, 2003.04.

<P036311> **YAM Yeung and BARANYI Peter.** "Robust Stabilizing Controller by Grid Point Design and Composite SVD Consolidation". *4th IFAC Symposium on Robust Control Design* Paper FM03-4. Milan, Italy, 2003.06.25.

<P036321> **XU Bugong and LIU Yunhui.** "Delay-dependent/Delay-independent Stability of Linear Systems with Multiple Time-varying Delays". *IEEE Transactions on Automatic Control* vol.48 no.4, pp.697-701. IEEE, 2003.04.

<P036398> **ZHOU W.L. Jennifer; LI Wen Jung and MAI D. John.** "MEMS-fabricated ICPF Microactuators for Biological Micromanipulations". *SPIE 10th Annual International Symposium on Smart Structures and Materials: Electroactive Polymer Actuators and Devices* San Diego, USA, 2003.03.02.

<P036508> **YE Xudong and HUANG Jie.** "Decentralized Adaptive Output Regulation for a Class of Large-Scale Nonlinear Systems". *IEEE Transactions on Automatic Control* vol.48 no.2, pp.276-281. IEEE, 2003.02.

<P036580> **GE Ming and XU Yangsheng.** "A Novel Intelligent Monitor for Manufacturing Processes". *Robotics Welding: Intelligence and Automation* 18 pgs. Springer-Verlag, 2003.

<P036592> **WANG Michael Yu; MAO Kuanmin; XU Zhiwei and CHEN Tianning.** "Efficient Computation of Particle Motions in Discrete Element Modeling of Particle Damping". *Proceedings of 8th International Symposium on Plasticity and Impact Mechanics (IMPLAST 2003)* ed. by Prof. N.K. GUPTA. pp.994-1005. New Delhi, India: Phoenix Publishing House PVT Ltd., 2003.03.16.

<P036751> **YAM Yeung; YANG C. T. and BARANYI Peter. ed.** "Singular Value-Based Fuzzy Reduction with Relaxed Normality Condition". *Interpretability Issues in Fuzzy Modelling* ed. by J. Casillas, O. Cordon, F. Herrera, L. Magdalena, Studies in Fuzziness and Soft Computing. pp.325-354. Springer-Verlag, 2003.

<P036797> **WONG Hau San and CHUNG Chi Kit Ronald.** "Three-dimensional Shape Recovery Across Two Views Using Approximate Geometric Constraints". *Optical Engineering.* vol.42 no.3, pp.632-641. Society of Photo-Optical Instrumentation Engineers, 2003.03.

<P037804> **WANG Michael Yu and PELINESCU Diana M.** "Contact Force Prediction and Force Closure Analysis of a Fixtured Rigid Workpiece with Friction". *Journal of Manufacturing Science and Engineering, Transactions of the ASME* vol.125 no.2, pp.325-332. ASME, 2003.05.

<P037979> **WANG Michael Yu and WANG Xiaoming.** "A Multi-Phase Level Set Model for Multi-Material Structural Optimization". *Proceedings of the 5th World Congress of Structural and Multidisciplinary Optimization (WCSMO5)* pp.305-306. Lido di Jesolo, Italy: Schonenfeld & Ziegler, 2003.05.19.

<P038134> **SHEN Yantao; SUN Dong; LIU Yunhui and LI Kejie.** "Asymptotic Trajectory Tracking of Manipulators Using Uncalibrated Visual Feedback". *IEEE/ASME Transactions on Mechatronics* vol.8 no.1, pp.87-98. IEEE, 2003.03.

<P038501> **BARANYI Peter; YAM Yeung; VARKONYI-KOCZY Annamaria R. and PATTON Ron J.** "SVD-Based Reduction to MISO TS Models". *IEEE Transactions on Industrial Electronics* vol.50 no.1, pp.232-242. IEEE, 2003.02.

<P038567> **LAM Hiu Fung and LIAO Wei Hsin.** "Semi-Active Control of Automotive Suspension Systems with Magnetorheological Dampers". *International Journal of Vehicle Design* Inderscience Enterprises Ltd, 2003.

<P038611> **HU Sanqing and WANG Jun.** "Absolute Exponential Stability of a Class of Continuous-Time Recurrent Neural Networks". *IEEE Transactions on Neural Networks* vol.14 no.1, pp.34-45. IEEE, 2003.01.

<P038612> **DECHEV Nikolai; CLEGHORN L. William and MILLS James K.** "Microassembly of MEMS into 3D Microstructures". *Proceedings 19th Canadian Congress of Applied Mechanics (CANCAM 2003)* Alberta, Canada, 2003.06.01.

<P038750> **ZHOU W.L. Jennifer; CHAN Ho Yin; TO K. H. Tony; KWONG C. H. Charlotte and LI Wen Jung.** "Micro-Fabricated Polymer Structures for Cellular Sensing and Manipulation". *International Mtg. on Microsensors and Microsystems 2003* Tainan, Taiwan, 2003.01.12.

<P038781> **BARANYI Perter; YAM Yeung; TIKK Domonkos and PATTON Ron J.. ed.** "Trade-off Between Approximation Accuracy and Complexity: TS Controller Deisgn via HOSVD Based Complexity Minimization". *Interpretability Issues in Fuzzy Modelling* ed. by J, Casillas, O. Cordon, F. Herrera, L. Magdalena, Studies in Fuzziness and Soft Computing. pp.249-277. Springer-Verlag, 2003.

<P038910> **OU Yong Sheng and XU Yangsheng.** "Learning Human Control Strategy for Dynamically Stable Robots: Support Vector Machine Approach". *IEEE International Conference on Robotics and Automation* 6 pgs. Taipei, Taiwan: IEEE, 2003.

<P038929> **OU Yong Sheng and XU Yangsheng.** "On Learing Control with Limited Training Data". *IEEE International Conference on Robotics and Automation* 6 pgs. Taipei, Taiwan, 2003.

<P038977> **XU Diana; LIASI Evangelos; GUO Weizhong and DU Ruxu.** "Visual Comparison of Multiple Tonnage Signatures by Using Snake Skeleton Graph". *Proceedings in Mechanical Systems and Signal Processing* 2003.

<P039020> **LI CHONG Kun Wa Victor; LEI Kin Fong; LI Wen Jung and LEE Thomas.** "Development of Mass-Manufacturable Micro/Nano Fluidic Devices Using Standard CD Technology". *The 1st International Meeting on Microsensors and Microsystems (2003)* pp.57-58. 2003.01.12.

<P039050> **LIAO Xiao-xin and WANG Jun.** "Algebric Criteria for Global Exponential Stability of Cellular Neural Networks with Multiple Time Delays". *IEEE Transactions on Circuits and Systems - I : Fundamental Theory and Applications* vol.50 no.2, pp.268-275. IEEE, 2003.02.

<P039136> **LEE Ka Keung; ZHANG Ping and XU Yangsheng.** "A Service-Based Network Architecture for Wearable Robots". *IEEE International Conference on Robotics and Automation* Taipei, Taiwan: IEEE, 2003.

<P039286> **LIAO Xiaofeng; WANG Jun and CAO Jinde.** "Global and Robust Stability of Interval Hopfield Neural Networks with Time-varying Delays". *International Journal of Neural Systems* vol.13 no.2, pp.171-182. World Scientific Publishing Company, 2003.06.

<P039324> **WANG Michael Yu; WANG Xiaoming and GUO Dongming.** "A Levet Set Method for Structural Topology Optimization". *Computer Methods in Applied Mechanics and Engineering* vol.192 no.1-2, pp.227-246. Elsevier Science B.V., 2003.01.

<P039388> **OU Yong Sheng and XU Yangsheng.** "Modeling Human Skills to Control Dynamic Systems". *Proceedings of IEEE International Conference on Robotics, Intelligent Systems, and Signal Processing* 6 pgs. Changsa, China: IEEE, 2003.

<P039431> **WANG Michael Yu; LIU Tong and PELINESCU Diana M.** "Fixture Kinematic Analysis Based on the Full Contact Model of Rigid Bodies". *Journal of Manufacturing Science and Engineering, Transactions of the ASME* vol.125 no.2, pp.316-324. ASME, 2003.05.

<P039482> **CHEN Zhiyong and HUANG Jie.** "Global Robust Output Regulation for Output Feedback Systems". *Proceedings of IEEE International Conference on Robotics, Intelligent Systems and Signal Processing* Changsha, China, 2003.05.

<P039900> **SHEN Yantao; LO Wang Tai; LIU Yunhui and LI Kejie.** "Haptic Feedback in Teleoperation of Multifingered Robot Hands". *Intelligent Automation and Soft Computing* vol.9 no.3, pp.1-12. TSI Press, 2003.

<P006339> **HENG Pheng Ann; FUNG Ping Fu; LEUNG Kwong Sak; SUN Hanqiu and WONG Tien Tsin.** "Virtual Bronchoscopy". *The International Journal of Virtual Reality* vol.4 no.4 pp.10-20. Aurora, USA: IPI Press, 2000.

<P006382> **CHOI Mo Fung Kenneth; LEE Ho Man Jimmy and STUCKEY Peter J..** "A Lagrangian Reconstruction of GENET". *Artificial Intelligence* vol.123 pp.1-39. Elsevier Science B.V., 2000.

<P006715> **CHOY Man Hoi; LEONG Hong Va and WONG Man Hon.** "Disaster Recovery Techniques for Database Systems". *Communications of the ACM* (11es) pp.272-280. ACM, 2000.

<P007754> **MAK Hang Kwong and WONG Man Hon. "**An Experimental Study of Semantics-based Concurrency Control Protocols". *Data & Knowledge Engineering* vol.35 pp.53-81. Elsevier Science B.V., 2000.

<P008685> **WANG Yuanmei and HENG Pheng Ann.** "Multicriteria Maximum Likelihood Neural Network Approach to Positron Emission Tomography". *International Journal Imaging System Technology* vol.11 pp.361-364. John Wiley & Sons, Inc., 2000.

<P010993> **LUO Xudong; LEUNG Ho Fung and LEE Ho Man Jimmy.** "Weighted/Prioritised Compensatory Aggregation". Paper presented in The 10th IEEE International Conference on Fuzzy Systems, 2001, pp.1175-1179. Australia, 2001.

<P013883> **HE Minghua and LEUNG Ho Fung.** "An Agent Bidding Strategy Based on Fuzzy Logic in a Continuous Double Auction". Paper presented in the 2001 IEEE International Conference on Systems, Man, and Cybernetics, pp.583-588. United States of America, 2001.

<P014371> **LUO Xudong; LEE Ho Man Jimmy and LEUNG Ho Fung.** "A Spectrum of Compensation Aggregation Operators". Paper presented in The 10th IEEE International Conference on Fuzzy Systems, pp.1171-1174. Australia, 2001.

<P019499> **CHIU C K; CHOU C M; LEE Ho Man Jimmy; LEUNG Ho Fung and LEUNG Y W.** "A Constraint-Based Interactive Train Rescheduling Tool". *Constraints: An International Journal* pp.167-198. United States of America: Kluwer Academic Publishers, 2002.

<P019513> **LUO Xudong; ZHANG, Chengqi and LEUNG Ho Fung.** "Information Sharing between Heterogeneous Uncertain Reasoning Models in a Multi-Agent Environment: A Case Study". *International Journal of Approximate Reasoning* vol.27 pp. 27-59. Elsevier Sciences B.V., 2001.

<P020552> **YAN Bo and NG Kam Wing.** "A Survey on the Techniques for the Transport of MPEG-4 Video over Wireless Networks". *IEEE Transactions on Consumer Electronics* vol.48 no.4, pp.863-873. The IEEE, 2002.11.

<P020600> **LUI Chi Shing John; GOLUBCHIK Leana; TUNG Tak Fu; CHOW Lik Hang; LEE W.j.; GIULIANA Franceschinis and ANGLANO C.** "Multi-path Continuous Media Streaming: What are the Benefits?". *Journal of Performance Evaluation* vol.39 p.429-449. 2002.09.10.

<P020726> **LUI Chi Shing John and WONG Starsky Ho Yin.** "An Architectural Infrastructure and Topological Optimization for End System Multicast". *MASCOTS 2002: Proceedings of the Tenth IEEE International Symposium on Modding, Analysis, and Simulation of Computer and Telecommunication Systems* Dallas, USA, 2002.10.12.

<P021387> **CHIU Kai Chun and XU Lei.** "Number of Statistical Independent Factors in Arbitrage Pricing Theory from the Perspective of Non-Gaussian Factor Analysis". Paper presented in the Proceedings of 9th International Conference on Neural Information Processing (ICONIP'02), Vol. II, pp. 991-995. 2002.11.

<P021674> **LYU Rung Tsong Michael; YAU Hon Hei and SZE Kwan Shan.** "A Multilingual, Multimodal Digital Video Library System". Paper presented in the Joint Conference on Digital Libraries

(JCDL2002), pp. 145-153. 2002.07.

<P021868> **CHOU C.F.; GOLUBCHIK Leana; LUI Chi Shing John and CHUNG I.H.** "Design of Scalable Continuous Media Servers". *International Journal of Multimedia Tools and Applications* vol.17 no.2-3, pp.181-212. 2002.07.01.

<P021889> **YANG Rong; HENG Pheng Ann and LEUNG Kwong Sak.** "Backward Reasoning on Rule-based Systems Modeled by Fuzzy Petri Net Trough Backward Tree". Paper presented in the first International Conference on Fuzzy Systerms and Knowledge Discovery (FSKD"02), Singapore, 2002.11.

<P021989> **NGAI Cheuk Han; CHAN Pik Wah; YAU Hon Hei and LYU Rung Tsong Michael.** "XVIP: An XML-Based Video Information Processing System". Paper presented in the 26th Annual International Computer Software & Applications Conference (COMPSAC2002), pp. 173-178. 2002.08.

<P022259> **KO Y.h. John and NG Kam Wing.** "Reconfigurable Implementation of Radiosity Distribution Computation". *IEEE Int. Conf. on Field-Programmable Technology* pp.340-343. IEEE, 2002.12.

<P022471> **XU Lei.** "BYY Harmony Learning, Structural RPCL, and Topological Self-Organizing on Mixture Models". *Neural Networks* the Joint official Journal of International Neural Network Society, European Neural Network Society and Japanese Neural Network Society. vol.15 pp.1125-1151. Elsevier Science Ltd., 2002.

<P022580> **YAN Bo and NG Kam Wing.** "Techniques for the Transport of MPEG-4 Video over Wireless Networks". Paper presented in the First International Conference on Information Technology & Applications (ICITA 2002), Bathurst, Australia, 2002.11.25.

<P022604> **LUI Chi Shing John; LAW Kwok Tai and YAU K.Y. David.** "You Can Run, But You Can't Hide: An Effective Methodology to Traceback DDoS Attackers". *MASCOTS 2002: Proceedings of the Tenth IEEE International Symposium on Modding, Analysis, and Simulation of Computer and Telecommunication Systems* Dallas, USA, 2002.10.12.

<P022787> **LAW Yat Chiu and LEE Ho Man Jimmy.** "Algebraic Properties of CSP Model Operators". Paper presented in the Proceedings of the 8th International Conference on Principles and Practice of Constraint Programming - CP2002, pp. 750-754. 2002.09.

<P023173> **蔡及時、 孫漢秋 及 王平安.** <應用於網上虛擬手術的自適應變形模型>. 《軟件學報》 第 13 卷 第 9 期, 頁 1893-1898. 中國北京: 科學出版社, 2002.09.

<P023337> **LEE Yui Wah; LEUNG Kwong Sak and SATYANARAYANAN Mahadev.** "Operation Shipping for Mobile File Systems". *IEEE Transactions on Computers* vol.51 no.12, pp.1410-1422. IEEE Computer Society, 2002.12.

<P023391> **XU Lei.** "Mining Dependence Structures from Statistical Learning Perspective". *Lecture Notes in Computer Science, Vol. 2412* ed. by H. Yin et al. pp.285-306. Springer-Verlag Berlin Heidelberg 2002, 2002.

<P023461> **SONG Jiqiang; CAI Min; LYU Rung Tsong Michael and CAI Shijie.** "A New Approach for Line Recognition in Large-size Images Using Hough Transform". Paper presented in the International Conference on Pattern Recognition (ICPR'02), pp. 33-36. 2002.08.

<P023556> **OR Siu Hang and WONG Tien Tsin.** "Recovering the Interior of a Building from a Panorama". Paper presented in the Proceedings of Vision Modeling and Visualization 2002, pp.273-280. 2002.11.

<P023632> **CAI Min; SONG Jiqiang and LYU Rung Tsong Michael.** "A New Approach for Video Text Detection". Paper presented in the International Conference on Image Processing (ICIP2002), pp.

117-120. 2002.09.

<P023672> **SHUM Wing Ho; JIN Huidong; LEUNG Kwong Sak and WONG Man Leung.** "A Self-Organizing Map with Expanding Force for Data Clustering and Visualization". *IEEE International Conference on Data Mining 2002* pp.434-441. IEEE Computer Society, 2002.12.

<P023677> **SONG Jiqiang; CAI Min; LYU Rung Tsong Michael and CAI Shijie.** "Graphics Recognition from Binary Images: One Step or Two Steps". Paper presented in the International Conference on Pattern Recognition (ICPR'02), pp. 135-138. 2002.08.

<P023716> **SONG Jiqiang; CAI Min and LYU Rung Tsong Michael.** "Edge Color Distribution Transform: An Efficient Tool for Object Detection in Images". Paper presented in the International Conference on Pattern Recognition (ICPR'02), pp. 608-611. 2002.08.

<P023860> **XU Lei.** "Mining Dependence Structures: (II) from An Independence Analysis Perspective". Paper presented in the Proceedings of IEEE ICDM 2002 Workshop on The Foundation of Data Mining and Knowledge Discovery (FDM02), pp. 39-57. 2002.12.

<P023955> **LEE Pak Ching; LUI Chi Shing John and YAU David K Y.** "Distributed Collaborative Key Agreement Protocols for Dynamic Peer Groups". *10th IEEE International Conference on Network Protocols (ICNP), 2002* pp.322-331. Paris, France: IEEE, 2002.11.12.

<P024127> **CHIU Kai Chun and XU Lei.** "Stock Price and Index Forecasting by Arbitrage Pricing Theory-Based Gaussian TFA Learning". *Lecture Notes in Computer Science, Vol. 2412* ed. by H. Yin et al. pp.366-371. Springer-Verlag Berlin Heidelberg 2002, 2002.

<P024198> **LIU Zhiyong and XU Lei.** "On Convergence of an Iterative Factor Estimate Algorithm for the NFA Model". *Lecture Notes in Computer Science, Vol. 2415* ed. by Jose R. Dorronsoro. pp.1025-1030. Springer-Verlag Berlin Heidelberg 2002, 2002.

<P024359> **LYU Rung Tsong Michael.** "Software Reliability Theory". *Encyclopedia of Software Engineering* vol.2 pp.1611-1630. United States of America: John Wiley and Son, 2002.

<P024460> **XU Lei.** "Mining Dependence Structures: (I) A General Statistical Learning Perspective". Paper presented in the Proceedings of IEEE ICDM 2002 Workshop on The Foundation of Data Mining and Knowledge Discovery (FDM02), pp. 19-38. 2002.12.

<P024536> **WONG Man Leung; LEE Shing Yan and LEUNG Kwong Sak.** "A Hybrid Approach to Discover Bayesian Networks From Databases Using Evolutionary Programming". *IEEE International Conference on Data Mining 2002* pp.498-505. IEEE Computer Society, 2002.12.

<P024604> **MARCHIORI M.; ZURKO M. E. and LYU Rung Tsong Michael. ed.** "Editorial". Editorial for Special Issue on XML. vol.39 no.5, pp. 469-471. Elsevier, 2002.08.05.

<P024728> **LIU Zhiyong; CHIU Kai Chun and XU Lei.** "Theoretical Analysis of the One-Bit-of-Information Conjecture for Independent Component Analysis". Paper presented in the Proceedings of 2002 International Conference on Control, Automation and Systems (ICCAS'02), pp. 1525-1529. 2002.

<P024729> **LIU Zhiyong and XU Lei.** "Topological Local Principal Component Analysis". *Proceedings of ICONIP''02* vol.3. pp.1346-1350. Singapore: Nanyang Technological University, Singapore, 2002.11.18.

<P024811> **YANG Xiaosong; HENG Pheng Ann; TANG Zesheng and TANG Long.** "Virtual Arthroscopic Knee Surgery Traning System". Paper presented in the Proceedings of the 4th China-Japan-Korea Joint Symposium on Medical Informatics, pp.175-179. 2002.07.

<P024819> **HUANG Chin-yu; LO Jung-hua; KUO Sy-yen and LYU Rung Tsong Michael.** "Optimal Allocation of Testing Resources for Modular Software Systems". Paper presented in the 13th

International Symposium on Software Reliability Engineering (ISSRE'2002), pp. 129-138. 2002.11.

<P024827> 王文成、 孫漢秋 及 吳恩華. <加速體繪制技術>. 《計算機輔助設計與圖形學學報》 第 14 卷 第 9 期, 頁 880-886. 中國: 科學出版社, 2002.09.

<P025209> **LUI Chi Shing John and GOLUBCHIK Leana.** "Multi-path Streaming: Is it Worth the Trouble?". *Performance Evaluation* vol.30 no.3, United States of America, 2002.12.10.

<P025401> **SZE Chin Ngai; LONG Wangning; WU Yu Liang and BIAN Jinian.** "Accelerating Logic Rewiring Using Implication Analysis Tree". *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences* PAPER Special Section on VLSI Design and CAD Algorithms. vol.E85-A no.12, pp.2725-2736. The Engineering Sciences Society, 2002.12.

<P025592> 陳彥雲、 孫漢秋、 郭百寧 及 吳恩華. <自然雪景的構造和繪制>.論文發表於 《第四屆中國計算機圖形學大會》, 頁 6. 中國北京, 2002.09.

<P025785> **FANG H.; KILANI Yousef M. A.; LEE Ho Man Jimmy and STUCKEY P. J.** "Reducing Search Space in Local Search for Constraint Satisfaction". Paper presented in the Proceedings of Eighteenth National Conference on Artificial Intelligence (AAAI'02), pp.28-33. 2002.07.

<P025962> **CHIU Kai Chun and XU Lei.** "Financial APT-Based Gaussian TFA Learning for Adaptive Portfolio Management". *Lecture Notes in Computer Science, Vol. 2415* ed. by Jose R. Dorronsoro. pp.1019-1024. Springer-Verlag Berlin Heidelberg 2002, 2002.

<P026020> **LUI Chi Shing John; GOLUBCHIK Leana; TUNG Tak Fu; CHOW Lik Hang; LEE W.J.; FRANCESCHINIS Giuliana and ANGLANO C.** "Multi-path Continuous Media Streaming: What are the Benefits?". *IFIP WG7.3 Performance 2002* pp.429-450. 2002.09.01.

<P026237> **WU Jianliang; LIU Guizhen and WU Yu Liang.** "The Linear Arboricity of Composition Graphs". *Journal of Systems Science and Complexity* vol.15 no.4, pp.372-375. 2002.10.

<P026239> **CHEN Hui 及 孫漢秋.** <虛擬体空間中的觸覺雕刻>. 《計算機學報》 第 25 卷 第 9 期 頁 994-1000. 中國: 科學出版社, 2002.09.

<P026301> **CHIU Chong Kan and LEE Ho Man Jimmy.** "Efficient Interval Linear Equality Solving in Constraint Logic Programming". *Reliable Computing* vol.8 pp.139-174. Netherlands: Kluwer Academic Publishers, 2002.

<P026374> **LO Jung-hua; KUO Sy-yen; LYU Rung Tsong Michael and HUANG Chin-yu.** "Optimal Resource Allocation and Reliability Analysis for Component-Based Software Applications". Paper presented in the 26th Annual International Computer Software & Applications Conference (COMPSAC2002), pp. 7-12. 2002.08.

<P026837> **YANG Xiaosong; HENG Pheng Ann and TANG Zesheng.** "Constrained Tetrahedral Mesh Generation of Human Organs on Segmented Volume". *Proceedings of the International Conference on Diagnostic Imaging and Analysis (ICDIA 2002)* pp.294-299. China: Shanghai Scientific and Technological Literature Publishing House, 2002.08.

<P026869> 吳雯 及 王平安. 〈用于三維軟組織實時切割的混合凝聚有限元模型〉. 《計算機學報》 第 25 期 第 9 卷 頁 953-958. 中國: 科學出版社, 2002.09.

<P026908> **LIU Zhiyong and XU Lei.** "A Comparative Study on Three MAP Factor Estimate Approaches for NFA". *Lecture Notes in Computer Science, Vol. 2412* H. Yin et al. (Eds.) pp. 372-377. Springer-Verlag Berlin Heidelberg 2002, 2002.

<P027001> **YEUNG Siu Fung; LUI Chi Shing John and YAU David K Y.** "A Case of Multi-key Secure Video Proxy: Theory, Design & Implementation". *ACM Multimedia 2002* vol.10 no.1. 392

pgs. Juan Les Pins, France: The Association for Computing Machinery, Inc, 2002.12.

<P027038> **SUN Hanqiu and BAO Hujun.** "Two-handed Assembly with Immersive Task Planning in Virtual Reality". *The Journal of Virtual Reality: Research, Development and Applications* vol.6 no.1, pp.11-20. Springer-Verlag London Ltd., 2002.07.

<P027083> **LIN Zhouchen; WONG Tien Tsin and SHUM Heung-Yeung.** "Relighting with the Reflected Irradiance Field: Representation, Sampling and Reconstruction". *International Journal of Computer Vision* ed. by Olivier Faugeras, Jitendra Malik and Katsushi Ikeuchi vol.49 no.(2/3) pp.229-246. Netherlands: Kluwer Academic Publishers, 2002.

<P027148> **WONG Tien Tsin; FU Chi-Wing; HENG Pheng Ann and LEUNG Chi-Sing.** "The Plenoptic Illumination Function". *IEEE Transactions on Multimedia* vol.4 no.3 pp.361-371. IEEE Computer Society, 2002.09.

<P027310> **HUANG Kaizhu; KING Kuo Chin Irwin and LYU Rung Tsong Michael.** "Constructing a Large Node Chow-Liu Tree Based on Frequent Itemsets". *Proceedings of the International Conference on Neural Information Processing (ICONIP'02)* ed. by Lipo Wang, Jagath C. Rajapakse, Kunihiko Fukushima, Soo-Young Lee and Xi Yao. p.cr1317. Nanyang Technological University, Singapore, 2002.11.

<P027392> **ALBRECHT Andreas A.; LAPPAS Georgios; VINTERBO Staal A.; WONG Chak Kuen and OHNO-MACHADO Lucila.** "Two Applications of the LSA Machine". *Proceedings of the 9th International Conference on Neural Information Processing (ICONIP'02)* pp.184-189. Nanyang Technological University, Singapore, 2002.

<P027858> **YANG Haiqin; KING Kuo Chin Irwin and CHAN Lai Wan.** "Non-Fixed and Asymmetrical Margin Approach to Stock Market Prediction Using Support Vector Regression". *Proceedings of the International Conference on Neural Information Processing (ICONIP'02)* ed. by Lipo Wang, Jagath C. Rajapakse, Kunihiko Fukushima, Soo-Young Lee and Xi Yao. p.cr1968. Nanyang Technological University, Singapore, 2002.11.

<P027947> **陳彥雲、 孫漢秋、 郭百寧 及 吳恩華.** <自然雪景的構造和繪制>.《計算機學報》第 25 卷 第 9 期, 頁 916-922. 中國: 科學出版社, 2002.09.

<P028042> **CHEN Hui and SUN Hanqiu.** "Real-time Haptic Sculpting in Virtual Volume Space". *Proceedings of ACM Symposium on Virtual Reality Software and Technology (VRST 2002)* organized by ACM, SIGCHI and SIGGRAPH, pp. 81-88. 2002.11.

<P028055> **ZHANG Wan and KING Kuo Chin Irwin.** "Locating Support Vectors Via B-Skeleton Technique". *Proceedings of the International Conference on Neural Information Processing (ICONIP'02)* ed. by Lipo Wang, Jagath C. Rajapakse, Kunihiko Fukushima, Soo-Young Lee and Xi Yao. p.cr1968. Nanyang Technological University, Singapore, 2002.11.

<P028478> **LAW Yat Chiu and LEE Ho Man Jimmy.** "Model Induction: A New Source of CSP Model Redundancy". *Proceedings of the 18th National Conference on Artificial Intelligence (AAAI'02)* pp.54-60. Edmonton, Alberta, Canada: American Association for Artificial Intelligence, 2002.07.30.

<P028646> **FAN Hongbing; LIU Jiping; WU Yu Liang and WONG Chak Kuen.** "Reduction Design for Generic Universal Switch Blocks". *ACM Transactions on Design Automation of Electronic Systems* vol.7 no.4, pp.526-546. ACM, 2002.10.

<P02887> **HO Chun Hok; 梁望平; LEONG Philip Heng Wai; BECKER J. and LESNER M.G.** "Rapid Prototyping of FPGA Based Floating Point DSP Systems". *Proceedings of the 13th IEEE International Workshop on Rapid System Prototyping* p.171. Darmstadt, Germany: IEEE Computer Society, 2002.07.01.

<P028949> **ZHENG Wenting; SUN Hanqiu; BAO Hujun and PENG Qunsheng.** "Rendering of Virtual Environments Based on Polygonal & Point-based Models". Paper presented in the Proceedings of ACM Symposium on Virtual Reality Software and Technology (VRST 2002), organized by ACM, SIGCHI and SIGGRAPH, pp. 25-32. 2002.11.

<P02896> **NG Anny and LEE Kin Hong.** "Event Extraction from Chinese Financial News". *2002 International Conference on Chinese Language Computing* pp.9-16. Taiwan: Feng Chia University, Chinese Language Computer Society, 2002.07.11.

<P029012> **HUANG Kaizhu; KING Kuo Chin Irwin and LYU Rung Tsong Michael.** "Learning Maximum Likelihood Semi-Naive Bayesian Network Classifier". *Proceedings to the 2002 IEEE International Conference on Systems, Man and Cybernetics (SMC2002)* TA1F3. IEEE, 2002.10.

<P029137> **FAN Hongbing; LIU Jiping; WU Yu Liang and CHEUNG Chak Chung.** "On Optimum Designs of Universal Switch Blocks". *Proceedings of 12th International Conference, Field-Programmable Logic and Applications* pp.142-151. Springer, 2002.

<P029197> **XU Lei.** "Ying-Yang Learning". *The Handbook of Brain Theory and Neural Networks* ed. by Michael A. Arbib. 2nd ed. pp.1231-1237. London, United Kingdom: The MIT Press, 2002.

<P029339> **YANG Haiqin; CHAN Lai Wan and KING Kuo Chin Irwin.** "Support Vector Machine Regression for Volatile Stock Market Prediction". *Proceedings of the Third International Conference in Intelligent Data Engineering and Automated Learning - IDEAL 2002* LNCS2412 pp.391-396. Germany: Springer, 2002.08.

<P029363> **LEUNG Kwong Sak; WONG Man Leung; LAM Wai; WANG Zhenyuan and XU Kebin.** "Learning Nonlinear Multiregression Networks Based On Evolutionary Computation". *IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics* vol.32 no.5 pp.630-644. United States of America: IEEE, 2002.10.

<P029676> **MOON Yiu Sang; LUK Franklin Tai Cheung; HO Ho Ching; TANG Tze Yeung; CHAN Ka Cheong and LEUNG Chi Wai.** "Fixed-Point Arithmetic for Mobile Devices - A Fingerprint Verification Case Study". Paper presented in the Proceedings of SPIE - Advanced Signal Processing Algorithms, Architectures, and Implementations XII (Volume 4791), pp. 144-149. 2002.

<P030265> **LEUNG Ka Man; HENG Pheng Ann; SUN Hanqiu and WONG Tien Tsin.** "A Haptic Needle Manipulation Simulator for Chinese Acupuncture". Paper presented in the Medicine Meets Virtual Reality 11, pp.187-189. Netherlands, 2003.

<P030401> **LEUNG Cheung Chi and MOON Yiu Sang.** "Effect of Window Size and Shift Period in Mel-Warped Cepstral Feature Extraction on GMM-Based Speaker Verification". Paper presented in the Proceedings of 4th International Conference, Audio- and Video-Based Biometric Person Authentication 2003 (also in Lecture Notes in Computer Science 2688), pp. 438-445. Germany, 2003.04.

<P030529> **WONG Tien Tsin; OR Siu Hang and FU Chi Wing.** "Real-Time Relighting of Compressed Panoramas". *Graphics Programming Methods* ed. by Jeff Lander. 1st ed. pp.375-388. United States of America: Charles River Media, Inc., 2003.

<P030805> **SHEN Hao; HENG Pheng Ann and TANG Zesheng.** "A Fast Triangle-Triangle Overlap Test Using Signed Distances". *Journal of Graphics Tools* vol.8 no.1, pp.17-23. A K Peters, Ltd., 2003.

<P031325> **JIANG Mingfei and FU Wai Chee Ada.** "Efficient Accessibility Lookup for XML". Paper presented in the IASTED International Conference on Applied Informatics (AI2003), Innsbruck, Austria, 2003.02.13.

<P031614> **HUANG Chin-yu; LYU Rung Tsong Michael and KUO Sy-yen.** "A Unified Scheme of Some Nonhomogenous Poisson Process Models for Software Reliability Estimation". *IEEE Transactions on Software Engineering* vol.29 no.3, pp.261-269. IEEE, 2003.03.

<P031829> **WONG Wai Chiu and YOUNG Fung Yu.** "Fast Buffer Planning and Congestion Optimization in Interconnect-driven Floorplanning". Paper presented in the Proceedings of IEEE Asia South Pacific Design Automation Conference (ASP-DAC 2003), pp. 411-416. 2003.01.

<P031916> **YOUNG Fung Yu; CHU C. N. Chris and SHEN Zion Cien.** "Twin Binary Sequences: A Nonredundant Representation for General Nonslicing Floorplan". *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems* vol.22 no.4, pp.457-469. IEEE, 2003.04.

<P032034> **XU Lei.** "Data Smoothing Regularization, Multi-sets-learning, and Problem Solving Strategies". *Neural Networks* the Joint official Journal of International Neural Network Society, European Neural Network Society and Japanese Neural Network Society. vol.16 pp.817-825. Elsevier Science Ltd., 2003.

<P032267> **LIU Zhiyong; CHIU Kai Chun and XU Lei.** "Improved System for Object Detection and Star/Galaxy Classification Via Local Subspace Analysis". *Neural Networks* the Joint official Journal of International Neural Network Society, European Neural Network Society and Japanese Neural Network Society. vol.16 pp.437-451. Elsevier Science Ltd., 2003.

<P032304> **CHEN Xinyu and LYU Rung Tsong Michael.** "Message Logging and Recovery in Wireless CORBA Using Access Bridge". Paper presented in the Proc. of 6th International Symposium on Autonomous Decentralized Systems (ISADS 2003), pp. 107-114. 2003.04.

<P032351> **HENG Pheng Ann; CHENG Chun Yiu Jack; CHAN Kai Ming; CHUI Yim Pan; CHUNG Sheung Chee Sydney; FUNG Ping Fu; LEUNG Kwong Sak; LEUNG Ping Chung; SUNG Joseph Jao Yiu; TSUI Hung Tat; WONG Tien Tsin; XIE Yongming; XU Yangsheng and YIM Ping Chuen Anthony.** "Computer Assisted Medicine Research at the Chinese University of Hong Kong". Paper presented in the Proceedings of International Workshop on Visible Human, pp.16-26. Chongqing, China, 2003.01.

<P032369> **LEUNG Ka Kit; LEE Kin Hong and LEUNG Kwong Sak.** "Adaptive Algorithm in Glossary Search". Paper presented in the Proceedings of the International Conference on Information and Knowledge Engineering (IKE'03), pp. 11-16. United States of America, 2003.06.

<P032529> **CHIU Kai Chun; LIU Zhiyong and XU Lei.** "A Statistical Approach to Testing Mutual Independence of ICA Recovered Sources". Paper presented in the Proceedings of 4th Symposium on Independent Component Analysis and Blind Signal Separation (ICA2003), pp.751-756. 2003.04.

<P032552> **LIU Zhiyong; CHIU Kai Chun and XU Lei.** "A One-Bit-Matching Theorem Based Simplified LPM-ICA Algorithm". Paper presented in the Proceedings of 4th Symposium on Independent Component Analysis and Blind Signal Separation (ICA2003), pp. 621-626. 2003.04.

<P032566> **CHIU Kak Wah; CHEUNG Shing-chi and LEUNG Ho Fung.** "A Three-tier View-based Methodology for Adapting Human-Agent Collaborative Systems Towards a Connected Society". *International Conference on Advanced Information Systems Engineering* ed. by J. Eder and M. Missikoff. pp.226-241. Austria: Springer, 2003.06.

<P032613> **XU Lei.** "BYY Learning, Regularized Implementation, and Model Selection on Modular Networks with One Hidden Layer of Binary Units". *Neurocomputing* vol.51 pp.277-301. Elsevier Science B.V., 2003.

<P032734> **LUO Xudong; JENNINGS Nicholas R.; SHADBOLT Nigel; LEUNG Ho Fung and LEE Ho Man Jimmy.** "A Fuzzy Constraint Based Model for Bilateral, Multi-issue Negotiations in Semi-competitive Environments". *Artificial Intelligence* vol.148 pp.53-102. Elsevier B.V., 2003.

<P033082> **NG Cheuk Hang; SIA KA CHEUNG and CHAN Chi Hang.** "Advanced Peer Clustering and Firework Query Model in the Peer-to-Peer Network". *The 12th World Wide Web Conference, Poster* organized by IW3C2, MTA SZTAKI, 2 pgs. Budapest, Hungary, 2003.06.

<P033152> **WU Wen; JIAN Sun and HENG Pheng Ann.** "A Hybrid Condensed Finite Element Model for Interactive 3D Soft Tissue Cutting". *Medicine Meets Virtual Reality 11 (proceedings)* p.401/3. Newport Beach, CA, United States of America: ISO Press/ AMA Inc. and University of California, Irvine College of Medicine, 2003.01.22.

<P033394> 張紹祥、 王平安、 劉正津、 譚立文、 邱明國、 李七渝、 李愷、 崔高宇、 郭燕麗、 劉光久、 單錦露、 劉繼軍、 張偉國、 陳金華、 王健、 陳偉、 陸明、 游箭、 龐學利、 肖紅、 謝永明、 許忠信、 王欲甦、 鄧俊輝 及 唐澤聖. <首套中國男、女數字化可視人體結構數據的可視化研究>. 《第三軍醫大學學報》 第 25 卷 第 7 期, 頁 563-565. 中國: 第三軍醫大學, 2003.04.

<P033423> **LUO Xudong; LEE Ho Man Jimmy; LEUNG Ho Fung and JENNINGS R Nicholas.** "Proritized Fuzzy Constraint Satisfaction Problems: Axioms, Instantiation and Validation". *Fuzzy Sets and Systems* vol.136 no.2, pp.155-188. North-Holland/Elsevier, 2003.

<P033505> **JIANG Zhongding; WONG Tien Tsin and BAO Hujun.** "Practical Super-Resolution from Dynamic Video Sequences". Paper presented in the Proceedings of 2003 IEEE Computer Society Conference on Computer Vision and Pattern Recognition, organized by IEEE Computer Society, pp. II-549 - II-554. 2003.06.

<P033870> **ZHANG Mingmin; PAN Zhigeng and HENG Pheng Ann.** "Time-Critical Rendering Algorithm with Incorporation of LoD, Visibility Culling and Object Impostor". *The Journal of Visualization and Computer Animation* vol.14 pp.211-223. John Wiley & Sons, Ltd., 2003.

<P033884> **HO Pun Mo; WONG Tien Tsin; CHOY Kwok-hung and LEUNG Chi Sing.** "PCA-based Compression for Image-based Relighting". Paper presented in the Proceedings of 2003 IEEE International Conference on Multimedia & Expo, Vol. I, pp.473-476. 2003.

<P033974> **CHEUNG Yiu-ming and XU Lei.** "Further Studies on Temporal Factor Analysis: Comparison and Kalman Filter-based Algorithm". *Neurocomputing* vol.50 pp.87-103. Elsevier Science B.V., 2003.

<P033987> **SUN Changai; CAO Jiannong; JIN Maozhong; LIU Chao and LYU Rung Tsong Michael.** "Extendable and Interchangeable Architecture Description of Distributed Systems Using UML and XML". *Lecture Notes in Computer Science, Vol. 2834* ed. by X. Zhou, S. Jahnichen, M. Xu and J. Cao, pp.536-545. Springer-Verlag Berlin Heidelberg 2003, 2003.

<P034232> **LIU Zhiyong; CHIU Kai Chun and XU Lei.** "Independent Component Analysis: the One-Bit-Matching Conjecture and A Simplified LPM-ICA Algorithm". *Advances in Data Mining and Modeling* ed. by Wai-Ki Ching and Michael Kwok-Po Ng. pp.116-128. Singapore: World Scientific Publishing, 2003.

<P034268> **MA Tian Bai; LEE Cheuk Man; LUI Chi Shing John and YAU K.Y. David.** "Incentive P2P Networks: A Protocol to Encourage Information Sharing and Contribution". *MAthematical performance Modeling and Analysis* 2003.06.10.

<P034655> **SIA KA CHEUNG; NG Cheuk Hang; CHAN Chi Hang; CHAN Siu Kong and HO Lai Yin.** "Bridging the P2P and WWW Divide with DISCOVIR - Distributed Content-based Visual Information Retrieval". *The 12th World Wide Web Conference, Poster* organized by IW3C2, MTA SZTAKI, 2 pgs. Budapest, Hungary, 2003.06.

<P034837> **WONG Kin Hong; OR Siu Hang and CHANG M. M. Y..** "Pose Tracking for Virtual Walk-Through Environment Construction". *Recent Development in Theories & Numerics - International Conference on Inverse Problems* ed. by Yiu-Chung Hon, Masahiro Yamamoto, Jin Cheng and June-Yub Lee. pp.394-402. Singapore: World Scientific Publishing Co. Pte. Ltd., 2003.

<P034915> **FAN Hongbing; LIU Jiping and WU Yu Liang.** "General Models and a Reduction Design Technique for FPGA Switch Box Designs". *IEEE Transactions on Computers* vol.52 no.1,

pp.21-30. IEEE Computer Society, 2003.01.

<P035236> **LEUNG Kwong Sak and LIANG Yong.** "Evolution Strategies with a Fourier Series Auxiliary Function for Difficult Function Optimization". Paper presented in the Proceedings of 4th International Conference, Intelligent Data Engineering and Automated Learning (IDEAL 2003), pp. 303-312. Germany, 2003.03.

<P035245> **WONG Tien Tsin; FU Chi Wing; FUNG Ping Fu; LEE Keung Tat and HENG Pheng Ann.** "Instant Relighting of Volumetric Data". Paper presented in the Proceedings of Medical Imaging 2003 (Visualization, Image-Guided Procedures, and Display), pp.47-57. 2003.02.

<P035812> **TANG Ho Man; LYU Rung Tsong Michael and KING Kuo Chin Irwin.** "Face Recognition Committee Machine". Paper presented in the Proc. of International Conference on Acoustics, Speech, and Signal Processing (ICASSP2003), pp. 837-840. 2003.04.

<P035984> **WONG Tien Tsin.** "Image-based Relighting as the Sampling and Reconstruction of the Plenoptic Illumination Function". Paper presented in the Proceedings of 2003 International Conference on Acoustics, Speech, and Signal Processing, pp. IV-764 - IV-767. 2003.04.

<P036065> **SZE Kwan Shan; LYU Rung Tsong Michael; CHOI Kin Ping and YAU Hon Hei.** "A Wireless Client for Accessing Multimodal Digital Video Library Systems". Paper presented in the Poster Proc. of 12th International World Wide Web Conference (WWW2003), Poster ID: 137. 2003.05.

<P036184> **CHANG Yao-wen; ZHU Kai; WU Guang-ming; WONG D. F. and WONG Chak Kuen.** "Analysis of FPGA/FPIC Switch Modules". *ACM Transactions on Design Automation of Electronic Systems* vol.8 no.1, pp.11-37. ACM, 2003.01.

<P036272> **ZHANG Shao-xiang; HENG Pheng Ann; LIU Zheng-jin; TAN Li-wen; QIU Ming-guo; LI Qi-yu; LIAO Rong-xia; LI Kai; CUI Gao-yu; GUO Yan-li; YANG Xiao-ping; LIU Guang-jiu; SHAN Jing-lu; LIU Ji-jun; ZHANG Wei-guo; CHEN Xian-hong; CHEN Jin-hua; WANG Jian; CHEN Wei; LU Ming; YOU Jian; PANG Xue-li; XIAO Hong and XIE Yongming.** "Creation of the Chinese Visible Human Data Set". *The Anatomical Record (Part B: New Anat.)* vol.275B pp.190-195. Wiley-Liss, Inc., 2003.

<P036324> **SONG Jiqiang; CAI Min and LYU Rung Tsong Michael.** "A Robust Statistic Method for Classifying Color Polarity of Video Text". Paper presented in the Proc. of International Conference on Acoustics, Speech, and Signal Processing (ICASSP2003), pp. 581-584. 2003.04.

<P036487> **WANG Yuanmei; HENG Pheng Ann and WAHL Friedrich M..** "Image Reconstructions from Two Orthogonal Projections". *International Journal of Imaging Systems and Technology* vol.13 no.2, pp.141-145. Wiley Periodicals, Inc., 2003.

<P036528> **CHIU Kai Chun and XU Lei.** "On Generalized Arbitrage Pricing Theory Analysis: Empirical Investigation of the Macroeconomics Modulated Independent State-Space Model". Paper presented in the Proceedings of 2003 IEEE International Conference on Computational Intelligence for Financial Engineering (CIFEr2003), organized by The Financial Engineering Technical Committee, pp. 139-144. 2003.03.

<P036685> **LUI Chi Shing John; CHAKRABORTY Srijan and YAU K.Y. David.** "On the Effectiveness of Movement Prediction to Reduce Energy Consumption in Wireless Communication". *Sigmetrics 2003* 2003.06.10.

<P036686> **CHAN Pik Wah and LYU Rung Tsong Michael.** "A DWT-Based Digital Video Watermarking Scheme with Error Correcting Code". *Information and Communications Securtiy (Lecture Notes in Computer Science No. 2836)* ed. by S. Qing, D. Gollmann, and J. Zhou. pp.202-213. Springer-Verlag Berlin Heidelberg 2003, 2003.

<P036698> **CHENG Po Sum; MOON Yiu Sang; CAO Zhiguo; CHAN Ka Cheong and TANG Tze Yeung.** "Enabling Fingerprint Authentication in Embedded Systems". Paper presented in the 1st

International Workshop on Signal Processing for Wireless Communications 2003 (Volume I), pp. 228-231. 2003.

<P036949> **WONG Sze Hon; YOUNG Fung Yu and MAK W. K.** "Clustering Based Acyclic Multi-way Partitioning". Paper presented in the Proceedings of the 13th ACM Great Lakes Symposium on VLSI, pp. 203-206. 2003.04.

<P036972> **LEONG Monk Ping and LEONG Philip Heng Wai.** "A Variable-Radix Digit-Serial Design Methodology and its Application to the Discrete Cosine Transform". *IEEE Transactions on Very Large Scale Integration (VLSI) Systems* vol.11 no.1, pp.90-104. United States of America: IEEE, 2003.02.

<P037254> **SZETO WAI MAN; WONG Man Hon; WU Ming Yiu and CHENG Hui Tung Eos.** "Content-Based Analysis of Post-Tonal Music". *CATA 2003 - ISCA 18th International Conference on Computers and Their Applications* ed. by N. Debnath. pp.486-489. The International Society for Computers and Their Applications - ISCA, 2003.03.26.

<P037297> **SHAM Chiu Wing and YOUNG Fung Yu.** "Routability-Driven Floorplanner With Buffer Block Planning". *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems* vol.22 no.4, pp.470-480. IEEE, 2003.04.

<P037374> 楊 中、 董 社勤、 洪 先龍 及 吳有亮. <互連驅動的基于最小自由度優先原則的布局算法>. 論文發表於 《2003 中國計算機大會論文集》，主辦機構爲中國計算機學會, 1683-1687. 2003.

<P037402> **CHEUNG Yiu-ming and XU Lei.** "A New Information-theoretic Based ICA Algorithm for Blind Signal Separation". *International Journal of Computers and Applications* vol.25 no.2, pp.106-110. ACTA Press, 2003.

<P037456> **GUO Ping; LYU Rung Tsong Michael and CHEN C. L. Philip.** "Regularization Parameter Estimation for Feedforward Neural Networks". *IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics* vol.33 no.1, pp.35-44. IEEE, 2003.02.

<P037501> **LIU Jiping; FAN Hongbing; DE PORTO Dinah and WU Yu Liang.** "An Efficient Exact Router for Hyper-Universal Switching Box". *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences* Special Section on Papers Selected from 2002 International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC 2002). vol.E86-A no.6, pp.1430-1436. Tokyo, Japan: The Engineering Sciences Society, 2003.06.

<P037657> **CHEN Yanyun; SUN Hanqiu; LIN Hui and WU Enhua.** "Modelling and Rendering of Snowy Natural Scenery Using Multi-mapping Techniques". *The Journal of Visualization and Computer Animation* vol.14 pp.21-30. John Wiley & Sons, Ltd., 2003.

<P037837> **LIU Chao; WANG Yuanmei and HENG Pheng Ann.** "A Comparison of Truncated Total Least Squares with Tikhonov Regularization in Imaging by Ultrasound Inverse Scattering". *Physics in Medicine and Biology* vol.48 pp.2437-2451. United Kingdom: Institute of Physics Publishing Ltd., 2003.

<P038229> **XU Zong-ben; LEUNG Kwong Sak; LIANG Yong and LEUNG Yee.** "Efficiency Speed-up Strategies for Evolutionary Computation: Fundamentals and Fast-GAs". *Applied Mathematics and Computation* vol.142 pp.341-388. 2002 Elsevier Science Inc., 2003.

<P038260> **WONG Yuk-yin; LEE Kin Hong and LEUNG Kwong Sak.** "An Adaptive Parallel Genetic Algorithm System for i-Computing Environment". *Concurrency and Computation: Practice and Experience* vol.15 pp.581-606. John Wiley & Sons, Ltd., 2003.

<P038263> **XU Kebin; WANG Zhenyuan; HENG Pheng Ann and LEUNG Kwong Sak.** "Classification by

Nonlinear Integral Projections". *IEEE Transactions on Fuzzy Systems* vol.11 no.2, pp.187-201. United States of America: IEEE, 2003.04.

<P038352> **LAU Siu Chung; YOUNG Gilbert H.; KAN Wing Kay and WU Yu Liang.** "On-Line Open-End Bin Packing". *Journal of Combinatorial Math. and Combinatorial Computing* vol.44 pp.145-159. Canada: Charles Babbage Research Centre, 2003.

<P038738> **SHAM Chiu Wing; YOUNG Fung Yu and ZHOU Hai.** "Interconnect-Driven Floorplanning by Searching Alternative Packing". *ASP-DAC 2003* ed. by Chiu-wing Sham, Evangeline F Y Young and Hai Zhou. pp.417-422/6. Japan: IEEE, CAS, ACM SIGDA, 2003.01.22.

<P038868> **LIU Jiping; FAN Hongbing and WU Yu Liang.** "On Improving FPGA Routability Applying Multi-level Switch Boxes". *Asia and South Pacific Design Automation Conference (ASP-DAC 2003)* pp.366-369. IEEE, 2003.

<P038872> **LAU Siu Chung; YOUNG Gilbert H.; KAN Wing Kay and WU Yu Liang.** "On Open-Ends Bin Packing Problem". *Journal of Combinatorial Math. and Combinatorial Computing* vol.44 pp.3-9. Canada: Charles Babbage Research Centre, 2003.

<P038885> **JANG Kim Fung; TANG Ho Man; LYU Rung Tsong Michael and KING Kuo Chin Irwin.** "A Face Processing System Based on Committee Machine: The Approach and Experimental Results". *Lecture Notes in Computer Science, Vol. 2756* ed. by N. Petkov and M.A. Westenberg, pp.614-622. Springer-Verlag Berlin Heidelberg 2003, 2003.

<P038893> **WU Yu Liang; CHEUNG Chak Chung; CHENG Ihsin David and FAN Hongbing.** "Further Improve Circuit Partitioning Using GBAW Logic Perturbation Techniques". *IEEE Transactions on Very Large Scale Integration (VLSI) Systems* vol.11 no.3, pp.451-460. IEEE, 2003.06.

<P039082> **LAI TSZ WAI; YOUNG Fung Yu and CHU Chris C. N.** "A New and Efficient Congestion Evaluation Model in Floorplanning: Wire Density Control with Twin Binary Trees". Paper presented in the Design, Automation and Test in Europe, 6 pgs. Messe Munich, Germany, 2003.03.03.

<P039085> **LEONG Monk Ping; JIN Craig T. and LEONG Philip Heng Wai.** "An FPGA-Based Electronic Cochlea". *EURASIP Journal on Applied Signal Processing* vol.2003 no.7, pp.629-638. United States of America: Hindawi Publishing Corp., 2003.06.01.

<P039149> **XIANG Dong; GU Shan; SUN Jia-guang and WU Yu Liang.** "A Cost-Effective Scan Architecture for Scan Testing with Non-Scan Test Power and Test Application Cost". Paper presented in the Proceedings of the 40th Annual ACM IEEE Design Automation Conference, organized by ACM, pp. 744-747. 2003.06.

<P039428> **WU Yu Liang; FAN Hongbing; WONG Wang; CHENG Kai Cheung and CHEUNG Chak Chung.** "On Strong Locality Properties of Alternative Wires in Digital Circuits". Paper presented in the Workshop on Synthesis and System Integration of Mixed Information Technologies (SASIMI 2003), pp.244-250. 2003.

<P039646> **STEINHÖFEL K.; ALBRECHT A. and WONG Chak Kuen.** "An Experimental Analysis of Local Minima to Improve Neighbourhood Search". *Computers & Operations Research* vol.30 pp.2157-2173. Elsevier Ltd., 2003.

<P039695> **HUNG Kei Keung; CHEUNG Yiu-ming and XU Lei.** "An Extended ASLD Trading System to Enhance Portfolio Management". *IEEE Transactions on Neural Networks* vol.14 no.2, pp.413-425. IEEE, 2003.03.

<P039857> **CHEUNG Yiu-ming and XU Lei.** "Dual Multivariate Auto-Regressive Modeling in State Space for Temporal Signal Separation". *IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics* vol.33 no.3, pp.386-398. IEEE, 2003.06.

\<P039936\> **LEUNG Kwong Sak; LEE Kin Hong and CHEANG Sin Man.** "Parallel Programs Are More Evolvable than Sequential Programs". *Proceedings of 6th European Conference in Genetic Programming, EuroGP 2003* LNCS 2610. pp.107-118. Springer-Verlag Berlin Heidelberg 2003, 2003.04.

\<P899017\> **LEUNG Kwong Sak; WONG Man Hon and LAM Wai.** "A Fuzzy Expert Database System". *Data & Knowledge Engineering* North-Holland. vol.4 pp.287-304. Elsevier Science Publishers B.V., 1989.

\<P930200\> **LEE Ho Man Jimmy and M.H. VAN EMDEN.** "Interval Computation Can Be Deduction in CHIP". *Journal of Logic Programming* vol.16 no.3-4 pp.255-276. North Holland, 1993.

\<P958506\> **WONG Tien Tsin and HSU Siu-chi.** "Halftoning with Selective Precipitation and Adaptive Clustering". *Graphics Gems V* ed. by Alan W. Paeth. pp.302-313. Academic Press, Inc., 1995.

\<P959059\> **TONG Bo-Ming and LEUNG Ho Fung.** "Performance of a Data-Parallel Concurrent Constraint Programming System". *Lecture Notes in Computer Science* Algorithms, Concurrency and Knowledge: Proceedings of Asian Computing Science Conference 1995. vol.1023 pp.319-334. Springer - Verlag, 1995.

\<P973777\> **WONG Tien Tsin; Wai-Shing Luk and HENG Pheng Ann.** "Sampling with Hammersley and Halton Points". *Journal of Graphics Tools* vol.2 no.2 pp.9-24. USA, 1997.

\<P979021\> **LEE Ho Man Jimmy and LEUNG Ho Fung.** "Constraint Technology: Theory and Applications". Paper presented in the Macau IT Congress 1997, 193-198 pgs. Macau, 1997.

\<P984389\> **Feng, Jieqing; HENG Pheng Ann and WONG Tien Tsin.** "Accurate-B-Spline Free-From Deformation of Polygonal Objects". *Journal of Graphics Tools* vol.3 no.3 pp.11-27. 1998.

\<P984738\> **WONG Tien Tsin; HENG Pheng Ann; OR Siu Hang and NG Wai Yin.** "Illumination of Image-Based Objects". *The Journal of Visualization and Computer Animation* vol.9 no.3 pp.113-127. 1998.

\<P985023\> **FU Chi Wing; WONG Tien Tsin and HENG Pheng Ann.** "Triangle-Based View Interpolation Without Depth-Buffering". *Journal of Graphics Tools* vol.3 no.4 pp.13-31. USA, 1998.

\<P990010\> **HENG Pheng Ann; FUNG Ping Fu; WONG Tien Tsin; SIU Yu Hang and SUN Hanqiu.** "Interactive Navigation and Bronchial Tube Tracking in Virtual Bronchoscopy". *Medicine Meets Virtual Reality: 7* ed. by J.D. Westwood. pp.130-133. San Francisco, USA: IOS Press, 1999.

See Also \<P025420\>, \<P026087\>, \<P026749\>, \<P028495\>, \<P032691\>, \<P036646\>, \<P039490\>

<P019035> **CAO Wenhua and CHAN Kam Tai.** "Generation of Bright and Dark Soliton Trains from Continuous-Wave Light Using Cross-Phase Modulation in a Nonlinear-Optical Loop Mirror". *IEEE Journal of Quantum Electronics* vol.37 no.5, pp.725-732. United States of America: IEEE, 2001.

<P020484> **TSANG Wei Mong; WONG Sai Peng Joseph and LINDNER J K N.** "Origins of Field Enhancement in Electron Field Emission from Ion Beam Synthesized SiC Layers". *Applied Physics Letters* vol.81 no.21, pp.3942-3944. United States of America: American Institute of Physics, 2002.11.18.

<P020566> **WANG Hao; WONG Sai Peng Joseph; CHEUNG Wing Yiu; KE Ning; XU Jianbin and LI Q W.** "Study on Microstructure and Magnetic Domain Structure in Sputtered $(Ni_{66}Fe_{22}Co_{12})_xC_{1-x}$ Nanocomposite Films". *Journal of Materials Science: Materials in Electronics* vol.13 no.7, pp. 419-424. USA, 2002.07.

<P020586> **Tan LEE; W.K. LO and P.C. CHING.** "Towards Highly Usable and Robust Spoken Language Technologies for Chinese". *The Second China-Japan Natural Language Processing Joint Research Promotion Conference* Institute of Computational Linguistics, Peking University. pp.259-265. Beijing, China: Institute of Computational Linguistics, Peking University, 2002.11.

<P020619> **GUO H Y; XU Jianbin; WILSON Ian Howard; XIE Zhong; LUO Enzhou; HONG S and YAN H..** "Study of Domain Stability on $(Pb_{0.78}Ca_{0.24})TiO_3$ Thin Films Using Piezoresponse Microscopy". *Applied Physics Letters* vol.81 pp.715-717. USA: American Institute of Physics, 2002.07.

<P020676> **PENG P; TIAN X B; FU R K Y; CHU Paul K; TANG B Y and WONG Sai Peng Joseph.** "Synthesis of Diamond-Like Carbon (DLC) Thin Films on SiC Substrate Using Metal Grids by Plasma Implantation and Deposition". *Abstracts of Materials Research Society 2002 Fall Meeting organized by Materials Research Society*, paper M8.43, p. 328. Boston, United States of America, 2002.12.02.

<P020682> **CHAN Ngai Hung; SHU Ching Tat C. and LEE Ka Lun.** "Performance Improvements in High-Frequency Modulation of a Laser Diode Under Enhanced Optical Feedback". *IEEE Photonics Technology Letters* vol.14 no.12, pp.1650-1652. United States of America: IEEE, 2002.12.

<P020745> **YANG X. Simon and MENG Max Qing Hu.** "Guest Editorial: Biologically Inspired Robotics". *International Journal of Robotics and Automation* vol.17 no.4, pp.1-2. 2002.12.01.

<P020946> **LIANG Tak Keung; TSANG Hon Ki; DAY I. E.; DRAKE J.; KNIGHTS A. P. and ASGHARI M.** "Silicon Waveguide Two-Photon Absorption Detector at 1.5μm Wavelength for Autocorrelation Measurements". *Applied Physics Letters* vol.81 no.7, pp.1323-1325. United States of America: AIP, 2002.08.12.

<P021483> **ZHAO Yongjiu; WU Ke Li and CHENG Kwok Keung Michael.** "A Compact 2-D Full-Wave Finite-Difference Frequency-Domain Method for General Guided Wave Structures". *IEEE Transactions on Microwave Theory and Techniques* vol.50 no.7, pp.1844-1848. United States of America: IEEE, 2002.07.

<P021597> **WONG C. S. and TSANG Hon Ki.** "High Extinction Ratio Wavelength Conversion at 10Gbit/s Using Birefringence Switching in Semiconductor Optical Amplifier". *Electronics Letters* vol.38 no.16, pp.897-898. United Kingdom: IEE, 2002.08.01.

<P021628> **YANG M S; HO Ho Pui; YAU H C M and WU S Y.** "Surface Plasmon Resonance Measurement of Pyridoxal Kinase-pyridoxamine Binding on Self-assembled Monolayer". *Sensors and Actuators B* vol.85 no.3, pp.227-231. 2002.07.25.

<P021747> **CHOW C. W.; WONG C. S. and TSANG Hon Ki.** "All-optical Wavelength Conversion with NRZ-RZ Format Conversion". *European Conference on Optical Communication Proceedings,* (held in Copenhagen, Denmark) p.P2.6. EUREL, 2002.09.11.

<P021752> **XIAO Zhisong; XU Fei; CHENG Guoan; ZHANG Tonghe and WONG Sai Peng Joseph.** "Optimum Silicon Ion Dose for 1540 nm Photoluminescence from Erbium-Doped Silica Thin Films Formed by MEVVA Implantation". *Physics Letters A* vol.304 (2002) pp.172-176. Netherlands: Elsevier Sciences B.V., 2002.11.18.

<P021773> **WONG Chi Sang and TSANG Hon Ki.** "Polarization Insensitive All-Optical Wavelength Converter Using Birefringence Switching in a Semiconductor Optical Amplifier". *IEEE LEOS Annual Meeting Conference Proceedings* (held in Glasgow, Scotland) ThA3, vol.2, pp.627-628. United States of America: IEEE, 2002.11.

<P021896> **ZHANG Jason Z.; WU Q. M. Jonathan; TSUI Hung Tat and GRUVER William A.** "Binocular Transfer Methods for Point-Feature Tracking of Image Sequences". *IEEE Transactions on Systems, Man and Cybernetics - Part C : Applications and Reviews, Nov. 2002* vol.32 no.4, pp.392-405. United States of America: IEEE, 2002.11.

<P021905> 李 予嘉、 李丹 及 錢瑤. "Acoustical F0 Analysis of Continuous Cantonese Speech". 《國際中文口述語言處理研討會暨海峽兩岸口語語音處理論壇》 頁 127-130. 台北: 中華民國計算語言學學會、國立交通大學電訊工程學系, 2002.08.

<P021973> **LIU X. Peter; ZUO J. Ming and MENG Max Qing Hu.** "Using Neural Network Function Approximation for Optimal Design of Continuous-State Parallel-Series Systems". *Computers & Operations Research* vol.30 pp.339-352. 2002.09.01.

<P022016> 顧穎穎 及 張元亭. <發展遠程醫療及家庭保健儀器>. 《"遠程醫療及其發展"高級研討會會議資料》 頁 10 - 16. 中國福建 廈門: 中國生物醫學工程學會生物信息與控制專業委員會, 2002.09.

<P022024> **CHEN Qinran; CHAM Wai Kuen and TSUI Hung Tat.** "A Method for Estimating and Accurately Extracting the Eyebrow in Human Face Image". *International Conference on Image Processing* (held in Rochester, New York, U.S.A.). pp.739-742 (4). IEEE Signal Processing Society, 2002.09.22.

<P022132> **CHOW Kin Kee; SHU Ching Tat C.; MAK Wing Keung and TSANG Hon Ki.** "Polarization-Insensitive Widely Tunable Wavelength Converter Using a Fiber Ring Laser Incorporating a Semiconductor Optical Amplifier". *2002 OECC Optoelectronics and Communications Conference* (held in Yokohama Kanagawa, Japan) pp.596-597. USA: IEICE / IEEE, 2002.07.

<P022329> **CHOW C. W.; WONG Chi Sang and TSANG Hon Ki.** "All-Optical Format and Wavelength Conversion Using Polarization Switching in a FP Laser Diode". *IEEE LEOS Annual Meeting Conference Proceedings* (held in Glasgow, Scotland) ThA4. United States of America: IEEE, 2002.11.

<P022336> **K.Y. KWAN; Tan LEE and Chen YANG.** "Unsupervised N-best Based Model Adaptation Using Model-level Confidence Measures". *7th International Conference on Spoken Language Processing* (ICSLP2002) pp.69-72. Denver, Colorado, USA: The University of Colorado at Boulder, 2002.09.16.

<P022360> HU Guangda; TANG Dinggao and XU Jianbin. "Preparation of (100)-Oriented LaNiO3 Oxide Electrodes for SrBi2Ta2O9-Based Ferroelectric Capacitors". *Japanese Journal of Applied Physics* vol.41 p.6877. Japan: Japanese Society of Applied Physics, 2002.11.

<P022411> **CHAN Yiu Tong and REA T. A..** "Passive Tracking Scheme for a Single Stationary Observer". *IEEE Transactions on Aerospace and Electronic Systems* vol.38 no.3, pp.1046-1054. United States of America: IEEE, 2002.07.

<P022433> **ZHANG Xingwang; WONG Sai Peng Joseph and CHEUNG Wing Yiu.** "Effects of Stress on Electrical Transport Properties of Nickel Silicide Thin Layers Synthesized by Ni-ion

Implantaton". *Journal of Applied Physics* vol.92 no.7, pp.3778-3783. United States of America: American Institute of Physics, 2002.10.

<P022448> **ZHANG Xingwang; CHEUNG Wing Yiu; KE Ning and WONG Sai Peng Joseph.** "Optical Properties of Nitrogenated Tetrahedral Amorphous Carbon Films". *Journal of Applied Physics* vol.92 no.3, pp.1242-1247. United States of America: American Institute of Physics, 2002.08.01.

<P022550> **TSE Fu Wing; CHAM Wai Kuen and LIU Jianzhuang.** "DC Coefficient Restoration Technique and its Applications to Image Coding". *IEE Proceedings: Vision, Image and Signal Processing* vol.149 no.5, pp.272-282. United Kingdom, 2002.10.

<P022563> **OUYANG Shan and P.C. CHING.** "A Unified Framework for Fast Extraction of Principal and Minor Component Analysis". *European Signal Processing Conference* Toulouse, France: Eurasip, 2002.09.03.

<P022688> **HE Jian and CHAN Kam Tai.** "All-Optical Actively Modelocked Fibre Ring Laser Based on Cross-Gain Modulation in SOA". *Electronics Letters* vol.38 no.24, pp.1504-1505. United Kingdom: IEE, 2002.11.21.

<P022757> **CHEN Peng; WONG Sai Peng Joseph; CHIAH M F; WANG Hao; CHEUNG Wing Yiu; KE Ning and XIAO Zhisong.** "Magnetic Properties of $(Pr_{0.17}Co_{0.83})_{69}C_{31}$ Nanocomposite Films Prepared by Pulsed Filtered Vacuum Arc Deposition". *Applied Physics Letters* vol.81 no.25, pp.4799-4801. United States of America: American Institute of Physics, 2002.12.16.

<P022772> **POON C Y; WANG Hao; CHIAH M F; CHEUNG Wing Yiu; KE Ning and WONG Sai Peng Joseph.** "Properties of Fe_xC_{100-x} Thin Films Prepared by Pulsed Filtered Vacuum Arc Deposition". *Proceedings of the 7th ASIST, The Seventh Asian Symposium on Information Storage Technology* (held in Seoul, Korea). pp.103-107. Japan: The Institute of Electronics, Information and Communication Engineers, Japan, 2002.11.07.

<P022884> **HO Ho Pui; CHUNG J C Y; NG K C; CHENG K C and WU S Y.** "Novel Far Infrared Imaging Sensor Based on the Use of Titanium-nickel Shape Memory Alloys". *SPIE Conference on Smart Materials, Nano-, and Micro-Smart Systems* 2002.12.02.

<P022979> **ZHANG Xinyu; CHEN Fei; ZHANG Yuanting; AGNER Shannon C; AKAY Metin; LU Zu-hong; WAYE Miu Yee Mary and TSUI Kwok Wing.** "Signal Processing Techniques in Genomic Engineering". *Proceedings of the IEEE* vol.90 no.12, pp.1822-1833. United States of America, 2002.12.

<P023129> **P.C. CHING; OUYANG Shan and LEE Tan.** "A Quasi-Newton Algorithm for Minor Component Analysis and Its Convergence". *IASTED International Conference on Signal and Image Processing* pp.92-97. Hawaii, USA: IASTED/ACTA Press, 2002.08.12.

<P023444> **YANG X. Simon; MENG Max Qing Hu and LI Hao.** "A Neural Computation Model for Real-Time Collision-Free Robot Navigation". *15th Triennial IFAC World Congress* pp.6 manuscript pages. Barcelona, Spain, 2002.07.21.

<P023451> **LIU X. Peter; MENG Max Qing Hu and YANG X. Simon.** "Better Transport Protocol for Internet-Based Teleoperation". *9th IEEE Conference on Mechatronics and Machine Vision in Practice* pp.323-328. Chiang Mai, Thailand, 2002.09.10.

<P023510> **CHIAH M F; WANG Hao; CHEN Peng; POON C Y; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Characterization of CoPt-C and FePt-C Nanocomposite Films Prepared by Pulsed Filtered Vacuum Arc Deposition". *Materials Research Society Symposium Proceedings* (Magnetic and Electronic Films - Microstructure, Texture and Application to Data Storage, Eds.: S. D. Harkness IV, T. Thomson, L. Tang), vol.721, pp.209-214. United States of America: Materials Research Society, 2002.08.

<P023630> **PENG Haijing; WONG Sai Peng Joseph and ZHAO Shounan.** "Photoelastic Study of Stress Field Under Thin Oxide Film Edge in Silicon and the Validity of the Concentrated Force Model". *Journal of Physics D : Applied Physics 35 (2002)* L95-L97. United Kingdom: Institute of Physics Publishing, 2002.10.

<P023727> **HO Ho Pui; LO Kwong Chun; CHAN Y; LI R K Y and WU C M L.** "Application of Passive Phase Demodulation for the Detection of Laser Ultrasound". *Optics and Lasers in Engineering* vol.38 no.6, pp.549-556. 2002.12.01.

<P023729> **WANG Hao; WONG Sai Peng Joseph; CHIAH M F; LI W Q; POON C Y; CHEUNG Wing Yiu and KE Ning.** "Magnetically Soft Co-C Granular-Like Amorphous Thin Films with High Resistivity and High Saturation Flux Density". *Materials Research Society Symposium Proceedings* (Magnetic and Electronic Films - Microstructure, Texture and Application to Data Storage, Eds.: S D Harkness IV, T Thomson, L Tang), vol. 721, pp.259-264. United States of America: Materials Research Society, 2002.08.

<P023836> **YIP Kim Fung and CHENG Kwok Keung Michael.** "A Fully Integrated 1.5V 1.5 GHZ Low-Noise CMOS VCO for Wireless Applications". *Paper presented in the 2002 Asia-Pacific Microwave Conference,* pp. 1475-1478. Kyoto, Japan: IEICE, 2002.11.

<P023938> **COOK M. Albert; MENG Max Qing Hu; GU J. Jason and HOWERY Kathy.** "Development of a Robotic Device for Facilitating Learning by Children Who Have Severe Disabilities". *IEEE Transactions on Neural Systems and Rehabilitation Engineering* vol.10 no.3, pp.178-187. 2002.09.01.

<P023940> **CHOW Kin Kee; SHU Ching Tat C.; MAK Wing Keung and TSANG Hon Ki.** "Widely Tunable Wavelength Converter Using a Double-Ring Fiber Laser with a Semiconductor Optical Amplifier". *IEEE Photonics Technology Letters* vol.14 no.10, pp.1445-1447. United States of America: IEEE, 2002.10.

<P023974> **WU Ke Li and MACPHIE Robert H.** "A Novel Modal Analysis of Circular Waveguide OMT Module Exploiting Finite Plane Wave Series Expansion". *Symposium on Antenna Technology and Applied Electromagnetics,* (held in Canadian Space Agency, Quebec, Canada) pp.299-302. ANTEM, 2002.07.31.

<P024100> **CHOW C. W.; WONG C. S. and TSANG Hon Ki.** "All-Optical NRZ to RZ Format and Wavelength Converter by Dual-Wavelength Injection Locking". *Optics Communications* vol.209 pp.329-334. Netherlands: Elsevier Science B.V., 2002.08.15.

<P024139> **LINDNER J K N; TSANG Wei Mong; WONG Sai Peng Joseph and STRITZKER B.** "Ion Beam Synthesis of Metal - Silicon Carbide - Si Multilayer Structures". *17th International Conference on the Application of Accelerators in Research and Industry (CAARI 2002)* paper GI3. Denton, Texas, United States of America: University of North Texas, 2002.11.12.

<P024293> **XIAO Zhisong; XU Fei; CHENG Guoan; ZHANG Tonghe and WONG Sai Peng Joseph.** "Effects of Si and Er Concentration on 1.54 μm Photoluminescence from Silica-Based Thin Films". *International Journal of Modern Physics B* Vol. 16, Nos. 28 & 29 (2002) pp.4242-4245. Singapore: World Scientific Publishing Company, 2002.11.20.

<P024379> **GAO Yun; CHEUNG Wing Yiu; WONG Sai Peng Joseph; SHAO G and HOMEWOOD K P.** "TEM and PL Study of High Temperature Stable γ-FeSi$_2$ Precipitates Formed in Si by Iron Implantation Using a Metal Vapor Vacuum Arc Ion Source". *Abstracts of Materials Research Society 2002 Fall Meeting* paper F8.20, p. 122. Boston, United States of America: Materials Research Society, 2002.12.02.

<P024522> **LEE Kar Kin; CHAM Wai Kuen and CHEN Qinran.** "Chin Contour Estimation Using Modified Canny Edge Detector". *The 7th International Conference on Control, Automation, Robotics and Vision (ICARCV'02), Singapore,* National Technological University, pp.770-775. 2002.12.02.

<P024535> **PENG P; TIAN X B; CHU P K; TANG B Y; ZHANG G W and WONG Sai Peng Joseph.** "Surface Modification of Aluminum-6061 by Plasma Immersion Ion Implantation - Ion Beam Enhanced Deposition (PIII-IBED)". *Abstracts of Materials Research Society 2002 Fall Meeting organized by Materials Research Society*, paper Y5.31, P. 533. Boston, United States of America, 2002.12.02.

<P024584> **CHIAH M F; CHEN Peng; WANG Hao; CHEUNG Wing Yiu; KE Ning; POON C Y; XIAO Zhisong and WONG Sai Peng Joseph.** "Magnetic Metal Alloy-Carbon Nanocomposite Thin Films by Pulsed Filtered Vacuum Arc Deposition". *Proceedings of the 7th ASIST, The Seventh Asian Symposium on Information Storage Technology* (held in Seoul, Korea). pp.23-28. Japan: The Institute of Electronics, Information and Communication Engineers, Japan, 2002.11.07.

<P024720> **LEI Cheng; WU Fuchao; HU Zhanyi and TSUI Hung Tat.** "A New Approach to Solving Kruppa Equations for Camera Self-Calibration". *International Conference of Pattern Recognition (ICPR 2002)* (held in Quebec, Canada). pp.308-311. United States of America: IEEE, 2002.08.

<P024803> **LEUNG Wing Yan; CHENG Kwok Keung Michael and WU Ke Li.** "Multilayer LTCC Bandpass Filter Design with Enhanced Stopband Characteristics". *IEEE Microwave and Wireless Components Letters* vol.12 no.7, pp.240-242. United States of America: IEEE, 2002.07.

<P024859> **DAS K A; DEV N B; BALAKRISHNAN Sundaravel; LUO Enzhou; XU Jianbin and WILSON Ian Howard.** "Self-Assembled Growth of Nanostructural Ge Islands on Bromine-Passivated Si(111) Surfaces at Room Temperature". *Pramana - Journal of Physics* vol.59 no.1, pp.133-142. India, 2002.07.

<P025088> **YANG Jing Ling; CHOY Chiu Sing Oliver; CHAN Cheong Fat and PUN Kong Pang.** "A Totally Self-Checking Dynamic Asynchronous Datapath". Paper presented in the 11th Asian Test Symposium, 3 pgs. Guam, USA, 2002.11.18.

<P025153> **Tan LEE; Greg KOCHANSKI; Chilin SHIH and Yujia LI.** "Modeling Tones in Continuous Cantonese Speech". *7th International Conference on Spoken Language Processing* pp.2401-2404. Denver, United States of America, 2002.09.16.

<P025222> **LEUNG Chi Shuen and CHENG Kwok Keung Michael.** "A New Approach to Amplifier Linearization by the Generalized Baseband Signal Injection Method". *IEEE Microwave and Wireless Components Letters* vol.12 no.9, pp.336-338. United States of America: IEEE, 2002.09.

<P025375> **GAO Yun; WONG Sai Peng Joseph; CHEUNG Wing Yiu; SHAO G and HOMEWOOD K P.** "Characterization and Light Emission Properties of β-FeSi$_2$ Precipitates in Si Synthesized by Metal Vapor Vacuum Arc Ion Implantation". *13th International Conference on Ion Beam Modification of Materials (IBMM 2002)* paper P3-031. Kobe, Japan: IBMM 2002 Organization Committee, 2002.09.01.

<P025543> **FAN Chun Wah and CHENG Kwok Keung Michael.** "Theoretical and Experimental Study of Amplifier Linearization Based on Harmonic and Baseband Signal Injection Technique". *IEEE Transactions on Microwave Theory and Techniques* vol.50 no.7, pp.1801-1806. United States of America: IEEE, 2002.07.

<P025581> **GU J. Jason; MENG Max Qing Hu; COOK Albert and LIU X. Peter.** "Using Biomedical Signal to Detect Natural Eye Movement and to Control Artificial Ocular Implant". *2nd IFAC Conference on Mechatronic Systems* pp.330-335. Berkeley, USA, 2002.12.09.

<P025593> **FOK Mei Po; LEE Ka Lun and SHU Ching Tat C.** "4 X 2.5 GHz Repetitive Photonic Sampler for High-Speed Analog to Digital Signal Convertion". *MWP 2002 International Topical Meeting on Microwave Photonics* (held in Awaji, Japan) pp.313-316. USA: IEEE, 2002.11.05.

<P025979> **YE Xiufen; MENG Max Qing Hu; LIU X. Peter and LI Guobin.** "Statistical Analysis and Prediction of Round Trip Delay for Internet-Based Teleoperation". *Proceedings of 2002 IEEE/RSJ*

International Conference on Intelligent Robots and Systems (IROS 2002) pp.2999-3004. Lausanne, Switzerland, 2002.10.01.

<P026008> **LEE H K; LOYO-MALDONADO V; QIU B C; LEE K L; SHU Ching Tat C.; PINCHES S; THAYNE I G; BRYCE A C and MARSH J H.** "Efficient Direct Locking of Colliding Pulse Mode-Locked Lasers on Semi-Insulating Substrate at 1.5 μm". *IEEE Photonics Technology Letters* Vol. 14 No. 8 pp. 1049-1051. USA: IEEE, 2002.08.

<P026081> **LIU X. Peter; MENG Max Qing Hu and GU J. Jason.** "A Teleoperation Platform for Networked Home Healthcare Robotic System Over the Internet". *Second Joint EMBS/BMES Conference* pp.2369-2370. Houston, USA, 2002.10.23.

<P026134> **YEUNG Lap Kun and WU Ke Li.** "An Efficient PEEC Model for EM Modeling of RF LTCC Circuits with Finite Metal Strip Thickness". *2002 Asia-Pacific Microwave Conference,* (held in Kyoto, Japan) vol.1, pp.586-589. 2002.11.19.

<P026183> **SHU Ching Tat C.; CHOW Kin Kee; MAK Wing Keung and TSANG Hon Ki.** "Recent Advances in Board-Band Orthogonal Pumps Four-Wave Mixing Technique for All-Optical Wavelength Conversion". *ICOCN 2002 First International Conference on Optical Communications and Networks* (held in Singapore) pp.155-158. USA: IEEE, 2002.11.

<P026264> **HO Ho Pui and WU S Y.** "A Theoretical Model for the Sensitivity Improvement of the Surface Plasmon Resonance Optical Sensor by Using Gold-silver Transducing Layer". *9th International Meeting on Chemical Sensors* 2002.07.07.

<P026389> **DENG Jiang Wen and TSUI Hung Tat.** "A Novel Two-Layer PCA/MDA Scheme for Hand Posture Recognition". *International Conference of Pattern Recognition (ICPR 2002)* (held in Quebec, Canada) pp.283 - 286. United States of America: IEEE, 2002.08.

<P026429> **LIU Xiaoping Peter; MENG Max Qing Hu; GU J. Jason and YANG X. Simon.** "A Study of Internet Delays for Robot Teleoperation Using Biologically Inspired Approaches". *International Journal of Robotics and Automation* vol.17 no.4, pp.186-195. 2002.12.01.

<P026450> **XIE Jun; TSUI Hung Tat and XIA Deshen.** "Multiple Objects Segmentation Based on Maximum-Likelihood Estimation and Optimum Entropy-Distribution (MLE-OED)". *International Conference of Pattern Recognition (ICPR 2002)* (held in Quebec, Canada) pp. 707-710. United States of America: IEEE, 2002.08.

<P026773> **Patgi KAM and Tan LEE.** "Modeling Pronunciation Variation for Cantonese Speech Recognition". *Proceedings of the ISCA Tutorial and Research Workshop, Pronunication Modeling Lexian Adaptation for Spoken Language Technology* p.12. Denver, United States of America: The International Speech Communication Association, 2002.09.14.

<P026814> **DING Yan; WU Ke Li and FANG Da Gang.** "A Broadband Rational Interpolation for Accelerating EM Simulation of Microwave Circuits". *2002 Asia-Pacific Microwave Conference,* (held in Kyoto, Japan) vol.1, pp.590-593. 2002.11.19.

<P026900> **CHAN Yiu Tong; ELHALWAGY Y Z and THOMAS S M.** "Estimation Of Circle Parameters By Centroiding". *Journal of Optimization Theory and Applications* vol.114 no.2 pp.363-371. Plenum Publishing Corporation, 2002.08.

<P027362> **LI C P; AU F C K; LEE C S; LEE S T; SUN X H; WONG N B; TEO Boon K; WANG N and WONG Sai Peng Joseph.** "Metallization of Silicon Nano-Wires". *Abstracts of Materials Research Society 2002 Fall Meeting* organized by Materials Research Society, paper F3.11, p.104. Boston, United States of America, 2002.12.02.

<P027411> **DING Ruiqin; WANG Hao; YANG Huidong; SHE Weilong; QIU Zhiren; LUO Li; LAU W F; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Fabrication and Characterization of InP

Nanocrystals Embedded in SiO_2 Matrix by RF Magnetron Co-Sputtering". *Materials Chemistry and Physics* 76 (2002). pp.262-266. Netherlands: Elsevier Science B.V., 2002.09.

<P027773> **TANG Li; TSUI Hung Tat and WU C K.** "Dense Stereo Matching Based on Propagation with a Voronoi Diagram". *Indian Conference on Computer Vision* 10 pgs. India: India Computer Vision Society, 2002.12.

<P027813> **YANG X. Simon; LUO Chaomin and MENG Max Qing Hu.** "A Neural Computational Algorithm for Coverage Path Planning in Changing Environments". *IEEE 2002 International Conference on Communications, Circuits and Systems and West Sino Expositions* pp.1174-1178. Chengdu, China, 2002.07.01.

<P028063> **CHENG Wang Chi; CHAN Cheong Fat; CHOY Chiu Sing Oliver and PUN Kong Pang.** "A 900 MHz 1.2 V CMOS Mixer with High Linearity". *IEEE APCCAS 2002* (held in Bali, Indonesia) p.299. USA: IEEE, 2002.10.28.

<P028069> **GAO Yun; WONG Sai Peng Joseph; CHEUNG Wing Yiu; SHAO G and HOMEWOOD K P.** "Origins of Photoluminescence from Layers of Ion Beam Synthesized $FeSi_2$ Nanocrystals Embedded in Si". Paper presented in the International Workshop on Nanostructures for Electronics and Optics (NEOP Workshop), organized by ZMD AG, Abstract-ID : 104. Dresden, Germany, 2002.10.06.

<P028101> **TSANG Wei Mong; WONG Sai Peng Joseph and LINDNER J K N.** "Field Enhancement Mechanisms and Electron Field Emission Properties of Ion Beam Synthesized and Modified SiC/Si Heterostructures". *Abstracts of Materials Research Society 2002 Fall Meeting* paper K2.7, p. 235. Boston, United States of America: Materials Research Society, 2002.12.02.

<P028852> **ZHANG Zhi Jun; TSUI Hung Tat and POON Wai Sang.** "Application of Multi-Modal Image Registration in Neurosurgery". *Proceedings of the International Conference in Dignostic Imaging and Analysis* pp.137-144. Shanghai, China: Shanghai Scientific and Technological Literature Publishing House, 2002.08.18.

<P02893> **CHOW C. W.; WONG C. S.; CHAN P. S. and TSANG Hon Ki.** "Conditions for Negative Power Penalty from Dual Wavelength Injection Locking". *OptoElectronics and Communications Conference* (held in Yokohama, Japan) pp.10P-76. United States of America: IEEE, 2002.07.10.

<P028948> **HO Ho Pui; LAM Wai Wah and WU S Y.** "Surface Plasmon Resonance Sensor Based on the Measurement of Differential Phase". *Review of Scientific Instruments* vol.73 no.10, pp.3534-3539. 2002.10.01.

<P028950> **CHEN Zhiming; XU Jianbin; ALTMAN S Micharel; WANG Jiannong; LUO E. Z. and WILSON Ian Howard. ed.** "Proceedings of Symposium H of the 8th IUMRS International Conference on Electronic Materials (IUMRS-ICEM2002) - Xi'an China, June 10-14 2002". *International Journal of Modern Physics B* vol.16 no.28-29 p.4352. Singapore: World Scientific Publishing Co. Pte. Ltd., 2002.11.

<P028996> **OUYANG Shan; P.C. CHING and LEE Tan.** "Quasi-Newton Algorithm for Adaptive Minor Component Extraction". *IEE Electronics Letters* vol.38 no.19, pp.1142-1144. United Kingdom: IEE, 2002.09.12.

<P029050> **HU Guangda; TANG Dinggao and XU Jianbin.** "Tip Effects of Piezoelectric-Mode Atomic Force Microscope for Local Piezoelectric Measurements of an $SrB_2iTa_2O_9$ Thin Film". *Japanese Journal of Applied Physics* vol.41 p.6793. Japan: Japanese Society of Applied Physics, 2002.11.

<P029760> **CHAN S W; CHOW K K and SHU Ching Tat C.** All-Optical NRZ to RZ Data Conversion by Cross Phase Modulation in a Dispersion Shifted Fiber *2002 OECC Optoelectronics and Communications Conference* (held in Yokohama Kanagawa, Japan) pp. 494-495. United States of America: IEICE / IEEE, 2002.07.

<P029832> 張元亭. <前言>. 《"遠程醫療及其發展"高級研討會會議資料》 1 頁. 中國福建 廈門: 中國生物醫學工程學會生物信息與控制專業委員會, 2002.09.

<P029999> **FONG K W; ZHU F C; LEUNG H B; SYURA C; BALAKRISHNAN Sundaravel; LUO Enzhou; XU Jianbin and WILSON Ian Howard.** "Characterizations of GaN Films Grown with Indium Surfactant by RF-Plasma Assisted Molecular Beam Epitaxy". *Microelectronics Reliability* vol.42 no.8, pp.133-142. Netherlands: Elsevier Sciences B.V., 2002.08.

<P030088> **CHOW C. W.; WONG Chi Sang and TSANG Hon Ki.** "All-Optical Data-Format and Wavelength-Conversion in Two-Wavelength Injection-Locked Slave Fabry-Perot Laser Diodes". *Electronics Letters* vol.39 no.13, pp.997-998. United Kingdom: IEE, 2003.06.26.

<P030126> **FONG Chi Keung and CHAM Wai Kuen.** "An Improved Edge-Model Based Representation and its Application in Image Post-Processing". *2003 International Conference on Acoustics, Speech & Signal Processing,* (held in Hong Kong) pp.III265-268. United States of America: IEEE, 2003.04.06.

<P030286> **AN Zhenghua; WU Yanjun; ZHANG Miao; DI Zengfeng; LIN Chenglu; FU Ricky K Y; CHEN Peng; CHU Paul K; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Relaxed Silicon-Germanium-on-Insulator Substrates by Oxygen Implantation into Pseudomorphic Silicon Germanium/Silicon Heterostructure". *Applied Physics Letters* vol.82 no.15, pp.2452 -2454. United States of America: American Institute of Physics, 2003.04.14.

<P030660> **PUN Kong Pang; FRANCA Epifanio Da Jose and LEME Azeredo Carlos.** *Circuit Design for Wireless Communications Improved Techniques for Image Rejection in Wideband Quadrature Receivers* . http://www.wkap.nl/prod/b/1-4020-7415-8 no.1 210 pgs. Boston, United States of America: Kluwer Academic Publishers, 2003.04.

<P031088> **HO Ho Pui; LO Kwong Chun; CHU P K and WONG Sai Peng Joseph.** "Preparation of Crystalline Gallium Oxide Ribbons on Gallium Arsenide by Plasma Immersion Ion Implantation and Rapid Thermal Annealing". *2003 MRS Spring Meeting* 2003.04.22.

<P031111> **WONG Chi Sang and TSANG Hon Ki.** "Polarization-Independent Wavelength Conversion at 10Gb/s Using Birefringence Switching in a Semiconductor Optical Amplifier". *IEEE Photonics Technology Letters* vol.15 no.1, pp.87-89. United States of America: IEEE, 2003.01.02.

<P031183> **MA Wing Kin; P.C. CHING and DING Z.** "Efficient Relaxed Maximum-Likelihood MPSK Multiuser Detection Using Semidefinite Programming". *IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communication* Rome, Italy: IEEE Signal Processing Society, 2003.06.15.

<P031198> **HU Chao; MANDAL K. Mrinal; MENG Max Qing Hu and LI Donglin.** "Efficient Face and Gesture Recognition Techniques for Robot Control". *2003 IEEE Canadian Conference on Electrical and Computer Engineering* pp.161-166. Montreal, Canada, 2003.05.04.

<P031336> **HUANG Yong and WU Ke Li.** "A Broadband Integrated LTCC Laminated Waveguide to Metallic Waveguide Transition". *IEEE International Microwave Symposium 2003,* (held in Philadelphia, Pennsylvania, USA) pp.2237-2240. United States of America: IEEE, 2003.06.08.

<P031344> **CHEN Zezhi; WU Chengke and TSUI Hung Tat.** "A New Image Rectification Algorithm". *Pattern Recognition Letters* vol.24 pp.251-260. Netherlands: Elsevier Science B.V., 2003.

<P031674> **CHAN Kwok Po and CHENG Kwok Keung Michael.** "Novel DSP Algorithms for Adaptive Feed-Forward Power Amplifier Design". *2003 IEEE International Microwave Symposium Digest* pp.1323-1326. United States of America: IEEE, 2003.06.

<P031701> **GAO Yun; CHEUNG Wing Yiu; WONG Sai Peng Joseph; SHAO G and HOMEWOOD K**

P. "TEM and PL Study of FeSi$_2$ Precipitates Formed in Si by Iron Implantation Using a Metal Vapor Vacuum Arc Ion Source". *Materials Research Society Symposium Proceedings* (Quantum Confined Semiconductor Nanostructures, Eds.: J M Buriak, D D M Wayner, F Priolo, B White, V Klimov and L Tsybeskow), vol. 737, pp.697-702. United States of America: Materials Research Society, 2003.01.

<P031708> **MA Wing Kin and P.C. CHING.** "Robust Interference Suppression and Blind Speech Beamforming in Room Reverberant Environments". *IEEE International Conference on Acoustic Speech and Signal Processing* pp.V.493 - V.496. Hong Kong SAR: IEEE Signal Processing Society, 2003.04.06.

<P031993> **YEUNG Lap Kun and WU Ke Li.** "A Compact Second-Order LTCC Bandpass Filter with Two Finite Transmission Zeros". *IEEE Transactions on Microwave Theory and Techniques* vol.51 no.2, pp.337-341. United States of America: IEEE, 2003.02.

<P032231> **MA TING and ZHANG Yuanting.** "A Novel Biometric Approach by Evoked Action Potentials". Paper presented in The 1st International IEEE EMBS Conference on Neural Engineering, 3 pgs. Capri Island, Italy, 2003.03.20.

<P032636> **CHAN PO SHAN and TSANG Hon Ki.** "Polarization Mode Coversion by Focused Ion Beam Trimmed SOI Slant Rib Structure". *ICO Topical Meeting on Polarization Optics Proceeding* ed. by Asher A.Friesem, and Jari Turunen. pp.184-185. Polvijarvi, Finland: International Commission for Optics, 2003.06.30.

<P032925> **屈 新萍、 徐 蓓蕾、 茹 國平、 李 炳宗、 張榮耀、 黃世平 及 CHU Paul K.** <Co/C/Si (100) 結構固相外延生長 CoSi$_2$>. 《半導體學報》 第 24 卷 第 1 期, 頁 63-67. 中國: 中國電子學會, 2003.01.

<P033085> **PENG Haijing; WONG Sai Peng Joseph; LIU X.H.; LAI Yiu Wai; HO Ho Pui and ZHAO Shounan.** "Low Level Birefringence Detection System for Stress Measurement in Semiconductors". *Optical Metrology* 2003.06.23.

<P033345> **TSANG Wei Mong; WONG Sai Peng Joseph and LINDNER J K N.** "Field Enhancement Mechanisms and Electron Field Emission Properties of Ion Beam Synthesized and Modified SiC/Si Heterostructures". *Materials Research Society Symposium Proceedings* (Silicon Carbide 2002 - Materials, Proceeding and Devices, Eds.: S E Saddow, D J Larkin, N S Saks, A Schoener), vol. 742, pp.97-102. United States of America: Materials Research Society, 2003.01.

<P033351> **DAY I.; EVANS I.; KNIGHTS A.; HOPPER F.; ROBERTS S.; JOHNSTON J.; DAY S.; LUFF J.; TSANG Hon Ki and ASGHARI M.** "Tapered Silicon Waveguides for Low Insertion Loss Highly-Efficient High-Speed Electronic Variable Optical Attenuators". *OFC 2003 Paper TuM5* (held in Atlanta, USA) vol.1, pp.249-251. Optical Society of America, 2003.03.

<P033443> **MALLETT J. J.; DUDZIK E.; SCHWARZACHER W.; THOMPSON S. M.; TSANG Hon Ki and LAAN G. Van Der.** "Photovoltage Detection of X-Ray Absorption and Magnetic Circular Dichroism Spectra of Magnetic Films Grown on Semiconductors". *Journal of Applied Physics* vol.93 no.4, pp.2028-2033. United States of America: American Institute of Physics, 2003.02.15.

<P033536> **HO K. C. and CHAN Yiu Tong.** "An Unbiased Estimator for Bearings-Only Tracking and Doppler-Bearing Tracking". *IEEE International Conference on Acoustics, Speech, and Signal Processing, 2003,* pp.V169-172. United States of America: IEEE, 2003.04.06.

<P033799> **LINDNER J K N; TSANG W M; WONG Sai Peng Joseph; XU Jianbin and WILSON Ian Howard.** "XTEM Characterization of Tungsten Implanted SiC Thin Films on Silicon for Field Emission Devices". *Thin Solid Films* vol.427 no.1-2, pp.417-421. Netherlands: Elsevier Sciences B.V., 2003.03.

<P033911> **CHAN Yiu Tong and HO K. C.** "TDOA-SDOA Estimation with Moving Source and Receivers". *IEEE International Conference on Acoustics, Speech, and Signal Processing, 2003,* pp.V153-156. United States of America: IEEE, 2003.04.06.

<P033965> **WONG Chi Sang and TSANG Hon Ki.** "Polarization-Independent Time-Division Demultiplexing Using Orthogonal-Pumps Four-Wave Mixing". *IEEE Photonics Technology Letters* vol.15 no.1, pp.129-131. United States of America: IEEE, 2003.01.02.

<P033997> **XU Mingsheng; XU Jianbin; XIE Zhong and LUO Enzhou.** "Nanoscale Investigation on Nature of Dark Hole in Moisture-Exposed Tris(8-hydroxyquinoline) Aluminum Thin Films". *Chemical Physics Letters* vol.374 no.5-6, pp.656-660. Netherlands: Elservier Science, 2003.06.18.

<P034000> **CHAN Hil Yee and CHENG Kwok Keung Michael.** "Implementation of 900MHz Integrated Power Amplifiers Using Digital CMOS Technology". *Progress in Electromagnetics Research Symposium 2003, Singapore* (held in Singapore) p.82. USA: IEEE, 2003.01.

<P034286> **LIU X. Peter; MENG Max Qing Hu and GU J. Jason.** "Internet Roundtrip Delay Prediction Using the Maximum Entropy Principle". *Journal of Communications and Networks* vol.5 no.1, pp.65-72. 2003.03.01.

<P034412> **XIE Zhong; LUO Z E; XU Jianbin; AN Jin; SUNDARAVEL B; WILSON Ian Howard; WANG Y Z; CHEN L X and ZHAO H L.** "Studies of the Effects of Ion Irradiation on Ferroelectric Domains of Triglycine Sulfate Single Crystals on a Nano-Meter Scale". *Physics Letter A* vol.309 pp.121-125. Holland: Elsevier Science B. V., 2003.03.

<P034435> **CHAN Cheong Fat; YEUNG Wing Ki; CHOY Chiu Sing Oliver and PUN Kong Pang.** "Clock Recovery Circuit with Adiabatic Technology". Paper presented in the ISCAS 2003, pp 185-187, vol. II. Bangkok, 2003.05.25.

<P034820> **CHEUNG K. W.; SO H. C.; MA Wing Kin and CHAN Yiu Tong.** "Received Signal Strength Based Mobile Positioning via Constrained Weighted Least Squares". *IEEE International Conference on Acoustics, Speech, and Signal Processing, 2003,* pp.V137-140. United States of America: IEEE, 2003.04.06.

<P034880> **CHEN Qinran; CHAM Wai Kuen and LEE Kar Kin.** "Chin Contour Estimation for Face Recognition". *2003 International Conference on Acoustics, Speech & Signal Processing,* (held in Hong Kong) pp.VI761-764. United States of America: IEEE, 2003.04.06.

<P035162> **LEE Ka Lun and SHU Ching Tat C.** "Switching-Wavelength Pulse Source Constructed from a Dispersion-Managed SOA Fiber Ring Laser". *IEEE Photonics Technology Letters* vol.15 no.4, pp.513-515. United States of America: IEEE, 2003.04.

<P035416> **CHIAH M F; CHEN Peng; WANG Hao; CHEUNG Wing Yiu; KE Ning; POON C Y; XIAO Zhisong and WONG Sai Peng Joseph.** "Pulsed Filtered Vacuum Arc Deposition of Magnetic Nano-Composite Thin Films". Paper presented in the Workshop on Selective, Patterned and Self-Assembled Growth of Nano-Structures, organized by HK University of Science and Technology, p.27. Hong Kong SAR, 2003.01.06.

<P035493> **HUNG King Fai Kevin and ZHANG Yuanting.** "Wireless Internet in Telemedicine". *Wireless Internet Handbook* pp.511-535. United States of America: CRC Press, 2003.

<P035670> **WU Ke Li; ZHANG Rui; EHLERT Michael and FANG Da Gang.** "An Explicit Knowledge-Embedded Space Mapping Technique and Its Application to Optimization of LTCC RF Passive Circuits". *IEEE Transactions on Components and Packaging Technologies* vol.26 no.2, United States of America: IEEE, 2003.06.

<P035919> **CHAN Cheong Fat; HAN Wei; HON Kwok Wai; LEE Tan; CHOY Chiu Sing Oliver; PUN Kong Pang and CHING Pak Chung.** "An HMM-based Speech Recognition IC". *Paper presented in the ISCAS 2003,* organized by IEEE. pp. 744-747, vol. II. Bangkok, 2003.05.25.

<P036134> **NGAN L. Y.; WU Y.; SO H. C.; P.C. CHING and LEE S. W.** "Joint Time Delay and Pitch Estimation for Speaker Localization". *IEEE International Symposium on Circuits and Systems* pp.III.722 - III.725. Bangkok, Thailand: IEEE Circuits & Systems Society, 2003.05.25.

<P036269> **JELENKOVIC Emil V; TONG K Y; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Physical and Electrical Properties of Sputtered Ru_2Si_3/Si Structures". *Semiconductor Science and Technology* 18 (2003). pp.454-459. United Kingdom: Institute of Physics Publishing, 2003.06.

<P036682> **WANG Xu and CHAN Kam Tai.** "A Sequentially Self-Seeded Fabry-Perot Laser for Two-Dimensional Encoding/Decoding of Optical Pulses". *IEEE Journal of Quantum Electronics* vol.39 no.1, pp.83-90. United States of America: IEEE, 2003.01.

<P036700> **CHOW Kin Kee; SHU Ching Tat C.; MAK Wing Keung and TSANG Hon Ki.** "Polarisation-Insensitive Widely Tunable Wavelength Converter Using Polarisation-diversified SOA Fibre-Ring Laser". *Electronics Letters* vol.39 no.1, pp.96-97. United Kingdom: IEE, 2003.01.

<P036730> **TANG Wing Wa and SHU Ching Tat C.** "Optical Generation of Amplitude-Equalized Pulses from a Rational Harmonic Mode-Locked Fiber Laser Incorporating an SOA Loop Modulator". *IEEE Photonics Technology Letters* vol.15 no.1, pp.21-23. United States of America: IEEE, 2003.01.

<P036795> **GAO Yun; WONG Sai Peng Joseph; CHEUNG Wing Yiu; SHAO G and HOMEWOOD K P.** "Characterization and Light Emission Properties of β-$FeSi_2$ Precipitates in Si Synthesized by Metal Vapor Vacuum Arc Ion Implantation". *Nuclear Instruments and Methods in Physics Research B* 206 (2003). pp.317-320. Netherlands: Elsevier Sciences B.V., 2003.05.

<P036867> **YANG X. Simon; LI Hao and MENG Max Qing Hu.** "Fuzzy Control of a Behavior-Based Mobile Robot". *2003 IEEE International Conference on Fuzzy Systems* pp.319-324. St. Louis, USA, 2003.05.25.

<P037024> **ZHANG Xingwang; KE Ning; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Synthesis and Structure of Nitrogenated Tetrahedral Amorphous Carbon Thin Films Prepared by a Pulsed Filtered Vacuum Arc Deposition". *Diamond and Related Materials* vol.12 (2003) pp. 1-7. Netherlands: Elsevier Science B.V., 2003.01.

<P037051> **HU Chao; MENG Max Qing Hu; LIU X. Peter and WANG Xiang.** "Optimal Digital Control System Design for Winding Shaping Process of Automobile Belt". *2003 IEEE Canadian Conference on Electrical and Computer Engineering* pp.301-304. Montreal, Canada, 2003.05.04.

<P037154> **ZHANG Xingwang; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Field Electron Emission Characteristics of Nitrogenated Tetrahedral Amorphous Carbon Films". *Thin Solid Films* vol.429 (2003) pp.261-266. Netherlands: Elsevier Science B.V., 2003.04.

<P037397> **HUNG King Fai Kevin and ZHANG Yuanting.** "Implementation of a WAP-Based Telemedicine System for Patient Monitoring". *IEEE Transactions on Information Technology in Biomedicine* vol.7 no.2, pp.101-107. United States of America: IEEE, 2003.06.

<P037459> **AU YEUNG Chung Fai and CHENG Kwok Keung Michael.** "CMOS Mixer Linearization by the Low-Frequency Signal Injection Method". *Paper presented in the IEEE MTT-S International Microwave Symposium,* pp. 95-98. Philadelphia, United States of America, 2003.06.10.

<P037564> **CHENG Kwok Keung Michael and LEUNG Chi Shuen.** "A Novel Generalized Low-Frequency Signal-Injection Method for Multistage Amplifier Linearization". *IEEE Transactions on Microwave Theory and Techniques* vol.51 no.2, pp.553-559. United States of America: IEEE, 2003.02.

<P037575> **HE Jian and CHAN Kam Tai.** "Generation and Wavelength Switching of Picosecond Pulses by Optically Modulating a Semiconductor Optical Amplifier in a Fiber Laser with Optical Delay

Line". *IEEE Photonics Technology Letters* vol.15 no.6, pp.798-800. United States of America: IEEE, 2003.06.

<P037840> **SONG Aijun; WANG Genyuan; SU Weifeng and XIA Xianggen.** "Unitary Alamouti Code Design from APSK Signals with Fast Maximum-Likelihood Decoding Algorithm". *Proceedings of International Symposium on Information Theory* (held in Yokohama, Japan). p.210. United States of America: IEEE, 2003.06.29.

<P038281> **JELENKOVIC Emil V; TONG K Y; CHEUNG Wing Yiu and WONG Sai Peng Joseph.** "Degradation of RuO_2 Thin Films in Hydrogen Atmosphere at Temperatures Between 150 and 250°C". *Microelectronics Reliability* vol.43 (2003) pp.49-55. Netherlands: Elsevier Science Ltd, 2003.01.

<P038315> **SIMPSON Tyler; GU J. Jason; MENG Max Qing Hu and LIU X. Peter.** "Integrated Simulation Environment Development for Mobile Robot Path Planning". *3rd International DCDIS Conference on Engineering Applications and Computational Algorithms* pp.187-192. Guelph, Canada, 2003.05.15.

<P038625> **CHEN Dihu; WONG Sai Peng Joseph; YANG Shenghong and MO D.** "Composition, Structure and Optical Properties of SiC Buried Layer Formed by High Dose Carbon Implantation into Si Using Metal Vapor Vacuum Arc Ion Source". *Thin Solid Films* vol.426 (2003) pp. 1-7. Netherlands: Elsevier Science B.V., 2003.02.

<P038788> **DING Yan; WU Ke Li and FANG Da Gang.** "A Broad-Band Adaptive-Frequency-Sampling Approach for Microwave-Circuit EM Simulation Exploiting Stoer-Bulirsch Algorithm". *IEEE Transactions on Microwave Theory and Techniques* vol.51 no.3, pp.928-934. United States of America: IEEE, 2003.03.

<P039081> **WONG Sai Peng Joseph.** "Ion Beam Synthesis of Si-Based Nanostructures Using a Metal Vapor Vacuum Arc Ion Source". Paper presented in the Workshop on Selective, Patterned and Self-Assembled Growth of Nano-Structures, organized by HK University of Science and Technology , pp. 25-26. Hong Kong SAR, 2003.01.06.

<P039202> **PENG Haijing; WONG Sai Peng Joseph; LIU X H; LAI Yiu Wai; HO Ho Pui and ZHAO Shounan.** "Low Level Birefringence Detection System for Stress Measurement in Semiconductors". *Proceedings of SPIE* (Optical Measurement Systems for Industrial Inspection III, Eds.: W Osten, K Creath and M Kujawinska), vol. 5144, pp.659-668. United States of America: SPIE - The International Society for Optical Engineering, 2003.06.

<P039589> **HUANG Yong and WU Ke Li.** "A Broad-Band LTCC Integrated Transition of Laminated Waveguide to Air-Filled Waveguide for Millimeter-Wave Applications". *IEEE Transactions on Microwave Theory and Techniques* vol.51 no.5, pp.1613-1617. United States of America: IEEE, 2003.05.

<P039859> **LEUNG PAK KEUNG; CHOY Chiu Sing Oliver; CHAN Cheong Fat and PUN Kong Pang.** "A Low Power Asynchronous GF(2^173) ALU for Elliptic Curve Crypto-processor.". Paper presented in the ISCAS 2003, 4 pgs. Bangkok, Thailand, 2003.05.25.

<P911074> **P.C. CHING and C.K. YU.** "A Probability Decision Criterion for Speech Recognition". *Computer Speech and Languages* vol.5 pp.11-17. United Kingdom: Academic Press Limited, 1991.

<P911075> **P.C. CHING and K.C. Ho.** "A Split Structure for Adaptive Line Enhancer". *International Journal of Electronics* vol.70 no.3 pp.565-571. USA, 1991.

<P911082> **P.C. CHING and WONG C.K.** "Digital Speech Transmission for Highly Encrypted and Paramilitary Operated Land Mobile Radio Communications over a Narrowband UHF Channel" *Proceedings of 3rd IEE International Conference on Telecommunications* pp.47-52. Edinburgh, United Kingdom: IEE, 1991.

<P931448> **P.C. CHING and K.C. Ho.** "Statistical Performance Analysis of a Fast Stochastic Gradient for Constrained Adaptive Time Delay Estimation". *Circuits, Systems and Signal Processing* vol.12 no.3 pp.453-464. USA, 1993.

See Also <P021215>, <P022564>, <P026636>, <P029322>, <P031591>, <P032351>, <P039935>

<P020449> **SZE Ho Pong; LIEW Soung Chang; LEE Yiu Bun and YIP C. S.** "A Multiplexing Scheme for H.323 Voice-over-IP Applications". *IEEE Journal on Selected Areas in Communications* vol.20 no.7, pp.1360-1368. IEEE, 2002.09.15.

<P020634> **YE Chunxuan and YEUNG Wai Ho Raymond.** "A Simple Upper Bound on the Redundancy of Huffman Codes". *IEEE Transactions on Information Theory* vol.48 no.7, pp.2132-2137. 2002.07.

<P020729> **CHAN Tsan Jim; CHAN Chun Kit; CHAN Kit; HUNG Wai and CHEN Lian Kuan.** "A Novel WDM Passive Optical Network with Bi-directional Protection". *Asia Pacific Optical and Wireless Communications Conference* pp.167-173. Shanghai, China: SPIE - The International Society for Optical Engineering, 2002.09.

<P020868> **BAO Paul Ge.** "Noisy Signal Compression based on Optimal Search in Wavelet Bintree". *14th IEEE International Conference on Digital Signal Processing* pp.513-516. 2002.07.

<P020950> **YUEN Wing Ho; SUNG Chi Wan and WONG Wing Shing.** "Optimal Price Decremental Strategy for Dutch Auctions". *Communications in Information and Systems* vol.2 no.4, pp.411-434. International Press Co. Ltd, 2002.12.

<P020982> **TANG Xiaoou and WANG Xiaogang.** "Face Photo Recognition Using Sketch". *Paper presented in the International Conference on Image Processing (ICIP2002),* pp.257-260. 2002.09.

<P021484> **LOK Tat Ming.** "Performance of an Adaptive Multicarrier CDMA System". Paper presented in the Proceeding of the International Conference on Communication Systems, 5 pgs. Singapore, 2002.11.25.

<P021501> **LI Xuelong; TAO DACHENG; YUAN Yuan; YU Nenghai; LIU Zhengkai and TANG Xiaoou.** "Illumination-invariant Color Histogram Spectrum Feature for Content-based Image Retrieval". *IEEE International Conference on Methods and Models in Automation and Robotics* Szczecin, Poland, 2002.09.01.

<P021741> **LEE Yiu Bun and LEUNG Wai Tak.** "Study of a Server-less Architecture for Video-on-Demand Applications". *IEEE International Conference on Multimedia and Expo.* IEEE. pp.233-236. Lausanne, Switzerland: IEEE, 2002.08.26.

<P021999> **TANG Xiaoou; GAO Xinbo; LIU Jianzhuang and ZHANG Hongjiang.** "A Spatial-Temporal Approach for Video Caption Detection and Recognition". *IEEE Transactions on Neural Networks* vol.13 no.4, pp.961-971. United States of America, 2002.07.

<P022046> **LEUNG Kin Kwong; SUNG Chi Wan and LOK Tat Ming.** "A Class-based Power Control Algorithm for CDMA Systems". Paper presented in the Wireless and Optical Communications (WOC 2002), 5 pgs. 2002.07.17.

<P022777> **BAO Paul Ge.** "The Discrete Kalman Filtering of A Class of Dynamic Multiscale Systems". *IEEE Transactions on Circuits and Systems II: Analog and Digital Signal Processing* vol.49 no.10, pp.668-676. 2002.10.

<P022832> **BAO Paul Ge.** "A Wavelet-based Edge Detection Method by Scale Multiplication". *Paper presented in the International Conference on Pattern Recognition (ICPR'02),* pp.501-504. 2002.08.

<P022927> **黃永成 及 秦桉.** <基于貝叶斯網絡的用于文件檢索的方法和設備>. Chinese Patent No. ZL 98 1 02672.9, China, 2002.12.11.

<P023253> **GAO Xinbo and TANG Xiaoou.** "Unsupervised Video-Shot Segmentation and Model-Free Anchorperson Detection for News Video Story Parsing". *IEEE Transactions on Circuits and Systems for Video Technology* vol.12 no.9, pp.765-776. 2002.09.

<P023325> **CAI Ning and YEUNG Wai Ho Raymond.** "Network Coding and Error Correction". *2002 Inforamtion Theory Workshop* Bangalore, India, 2002.10.20.

<P023492> **LI ZHIFENG and TANG Xiaoou.** "Eigenface Recognition Using Different Training Data Sizes". *Proceedings of the Second International Conference on Information Security* pp.31-35. Shanghai, China, 2002.07.

<P023500> **YEUNG Wai Ho Raymond; LEE Tong Tony and YE Zhongxing.** "Information-Theoretic Characterizations of Conditional Mutual Independence and Markov Random Fields". *IEEE Transactions on Information Theory* vol.48 no.7, pp.1996-2011. 2002.07.

<P023546> **YANG Yang and YUM Peter Tak Shing.** "Rearrangeable Compact Assignment of OVSF Codes for Multi-Rate Traffic". Paper presented in the IEEE Globecom Proceedings, organized by IEEE, 6 pgs. Taipei, Taiwan, 2002.11.17.

<P023611> **ZHAO FENG and TANG Xiaoou.** "Duality-Based Post-Processing for Fingerprint Minutiae Extraction". *Proceedings of the Second International Conference on Information Security* pp.36-42. Shanghai, China, 2002.07.10.

<P024078> **BAO Paul Ge and MA Xiaohu.** "Texturing and Line Art Rendering Using Patch-based Image Analogies". *IEEE International Workshop on Multimedia Signal Processing* 2002.12.

<P024246> **LEE Tong Tony and LIEW Soung Yue.** "Parallel Routing Algorithms in Benes-Clos Networks". *IEEE Transactions on Communications* vol.50 no.11, pp.1841-1847. 2002.11.

<P024265> **ZHANG Yu; CHEN Lian Kuan and CHAN Chun Kit.** "Performance Analysis of Multi-Dimensional Optical Routing Networks". *Asia Pacific Optical and Wireless Communications Conference* pp.37-44. Shanghai, China: SPIE - The International Society for Optical Engineering, 2002.09.

<P024391> **TANG Xiaoou; LUO BO; GAO Xinbo; EDWIGE Pissaloux and ZHANG Hongjiang.** "Video Text Extraction Using Temporal Feature Vectors". *IEEE International Conference on Multimedia and Expo.* 4 pgs. Lausanne, Switzerland: IEEE, 2002.08.

<P024953> **HO Kwok Shing and CHEUNG Kwok Wai.** "Capacity Planning for Fault-Tolerant All-Optical Network". Paper presented in the Asia-Pacific Optical and Wireless Communications, Session APOC06, SPIE, vol. 4909, pp. 184-195, Paper 4909-25. Shanghai, China, 2002.10.

<P024998> **LEE Yiu Bun and LEE Chung Hing.** "Design, Performance Analysis, and Implementation of a Super-Scalar Video-on-Demand System". *IEEE Transactions on Circuits and Systems for Video Technology* vol.12 no.11, pp.983-997. IEEE, 2002.11.15.

<P025447> **LEE Yiu Bun.** "Optimizing Channel Allocation in a Unified Video-on-Demand System". *IEEE Transactions on Circuits and Systems for Video Technology* vol.12 no.10, pp.921-933. IEEE, 2002.10.15.

<P025517> **BAO Paul Ge.** "Image Restoration based on Generalized Finite Automata Encoded Edge Preserving Regularization". *International Journal of Images and Graphics* vol.2 no.3, pp.425-440. 2002.07.

<P025565> **TAM Kin Lun Scott; CHAN Chun Kit and CHEN Lian Kuan.** "Heuristic Method for Maximizing the Utilization of a Survivable Multi-Ring DWDM Network without Wavelength Conversion". *Asia Pacific Optical and Wireless Communications Conference* pp.196-202. Shanghai, China: SPIE - The International Society for Optical Engineering, 2002.09.

<P025807> **BAO Paul Ge.** "Edge Detection by Scale Multiplication in Wavelet Domain". *Pattern Recognition Letters* vol.23 no.14, pp.1771-1784. 2002.12.

<P026250> **SHUM Wing Ki Kenneth and SUNG Chi Wan.** Evaluation on the Stability of Discrete Power Control Algorithms *Proc. IEEE Personal, Indoor and Mobile Radio Communication* IEEE Personal, Indoor and Mobile Radio Communication 5 pgs. Lisbon, Portugal: IEEE, 2002.09.15.

<P026261> **CHAN Man Chi; TO Pak Tung Philip and LEE Tong Tony.** Providing Per-session Performance Deterministic Quality of Service Guarantees for Cross-path Packet Switch Computer Networks vol.38 pp.1-23. United States of America: Elsevier Sciences, 2002.

<P026287> **LEE Yiu Bun and LEUNG Wai Tak.** "Design and Analysis of a Fault-Tolerant Mechanism for a Server-Less Video-On-Demand System". *Proc. 2002 International Conference on Parallel and Distributed Systems* 6 pgs. Taiwan: IEEE, 2002.12.17.

<P026310> **SHUM Wing Ki Kenneth.** Permutation Coding and MFSK Modulation for Frequency Selective Channel *Proc. IEEE Personal, Indoor and Mobile Radio Communication* IEEE Personal, Indoor and Mobile Radio Communication 4 pgs. Lisbon, Portugal: IEEE, 2002.09.15.

<P026336> **HUNG Wai; CHEUNG Man Hong; HO Siu Ting; CHEN Lian Kuan and CHAN Chun Kit.** "An Optical Sampled Subcarrier Multiplexing Scheme for Nonlinear Distortoin Reduction in Lightwave CATV Networks". *IEEE Globecom Proceedings* Taipei, Taiwan: IEEE Communications Society, 2002.11.

<P026569> **CHAN Ho Leung and YEUNG Wai Ho Raymond.** On Maximum Likelihood Estimation and Divergence Minimization *2002 IEEE International Symposium on Information Theory* p.158. Lausanne, Switzerland: IEEE, 2002.07.03.

<P026730> **CHAN Kit; CHAN Chun Kit; HUNG Wai; TONG Fuk Kay Franklin and CHEN Lian Kuan.** "Waveform Restoration in Semiconductor Optical Amplifier Using Fiber Loop Mirror". *IEEE Photonics Technology Letters* vol.14 no.7 pp.995-997. USA: IEEE LEOS, 2002.07.

<P026882> **CAI Ning and YEUNG Wai Ho Raymond.** "Self-Synchronizable Codes for Asynchronous Communication". 2002 IEEE International Symposium on Information Theory p.386. Lausanne, Switzerland, 2002.07.03.

<P026948> **TAO DACHENG; LI Xuelong; YUAN Yuan; YU Nenghai; LIU Zhengkai and TANG Xiaoou.** "Color Image Semantic Segmentation Using Modified JSEG Algorithm". *IEEE International Conference on Methods and Models in Automation and Robotics* Szczecin, Poland, 2002.09.01.

<P026974> **張國偉、 陳港榮、 陳展文 及 林永佳.** <用以經由網路遞送資料之方法>. Taiwanese Patent No. 169413, 台灣, 2002.12.01.

<P027421> **CHAN Ho Leung and YEUNG Wai Ho Raymond.** "On a Relation between Information Inequalities and Group Theory". *IEEE Transactions on Information Theory* vol.48 no.7, pp.1992-1995. 2002.07.

<P027756> **SIM Kwang Mong.** "A Market-driven Model for Designing Negotiation Agents". *Computational Intelligence* vol.18 no.4, pp.618-637. Boston, USA: Blackwell Publishing, 2002.11.

<P027804> **HUNG Wai; CHEUNG Man Hong; HO Siu Ting; CHEN Lian Kuan and CHAN Chun Kit.** "Optical Sampled Subcarrier Multiplexing Scheme for Nonlinear Distortion Reduction in Lightwave CATV Networks". *IEE Electronics Letters* vol.38 no.25, pp.1702-1704. United Kingdom: IEE, 2002.12.05.

<P028176> **LEE Yiu Bun.** "Staggered Push - A Linearly Scalable Architecture for Push-Based Parallel Video Servers". *IEEE Transactions on Multimedia* vol.4 no.4, pp.423-433. IEEE, 2002.12.15.

<P028192> **CHEN Lusheng; FU Fangwei and WEI Keh Wei Victor.** "On the Constructions and Nonlinearity of Binary Vector Correlation-Immune Functions". *Proceedings of IEEE*

International Symp. On Information Theory Lausanne, Switzerland: IEEE, 2002.07.05.

<P028219> **ZHANG Yu and CHEN Lian Kuan.** "Performance Improvement by Code Conversion in a Reconfigurable Optical Code/Wavelength Routing Network". *Proceedings of Asian-Pacific Optical and Wireless Communication* APOC 2001 vol.4584 no.26 pp.184-191. Beijing, China: SPIE, 2002.11.

<P028262> **LIN Feng and TANG Xiaoou.** "Off-line Handwritten Chinese Character Stroke Extraction". *International Conference of Pattern Recognition (ICPR 2002)* pp.249-252. 2002.08.

<P028268> **KONG Chun Wai and LEE Yiu Bun.** "Slice-and-Patch - An Algorithm to Support VBR Video Streaming in a Multicast-based Video-on-Demand System". *Proc. 2002 International Conference on Parallel and Distributed Systems* 7 pgs. Taiwan: IEEE, 2002.12.17.

<P028324> **WONG Wing Shing.** "Fairness Issues in Peer-to-peer Networks". *Proceedings of IEEE Conference on Decision and Control* pp.2005-2010. IEEE, 2002.12.

<P028729> **CAI Ning and YEUNG Wai Ho Raymond.** Secure Network Coding *2002 IEEE International Symposium on Information Theory* p.323. Lausanne, Switzerland: IEEE, 2002.07.03.

<P02877> **ZHANG Liang and LEE Tong Tony.** "An Improved MAC Protocol Providing Fairness for CDMA-Based Mobile Systems". Paper presented in the 6th World Multiconference on Systemics, Cybernaties and Informatics, organized by International Institute of Informatics and Systemics. vol.IV 425 pgs. Orlando, Florida, USA, 2002.07.18.

<P029312> **FU Fangwei and YEUNG Wai Ho Raymond.** "On the Rate-Distortion Region for Multiple Descriptions". *IEEE Transactions on Information Theory* vol.48 no.7, pp.2012-2021. 2002.07.

<P029322> **LIU Jianzhuang; LEE Yong Tsui and CHAM Wai Kuen.** "Identifying Faces in a 2D Line Drawing Representing a Manifold Object". *IEEE Transactions on Pattern Analysis and Machine Intelligence* vol.24 no.12, pp.1579−1593. United States of America: IEEE Computer Society, 2002.12.

<P030345> **HO Tsz Kin and LEE Yiu Bun.** "A Novel Redundant Data Update Algorithm for Fault-Tolerant Server-less Video-on-Demand Systems". *Proc. 2003 High Performance & Large Scale Computing (HP&LSC) Conference* pp.378-384. Nottingham, U.K.: SCS Europe BVBA, 2003.06.09.

<P030998> **LIEW Soung Chang.** "TCP Veno: TCP Enhancement for Transmission over Wireless Access Networks". *IEEE Journal on Selected Areas in Communications* vol.21 no.2, pp.216-228. 2003.02.

<P031492> **CHAN Man Chi and LEE Tong Tony.** "Statistical Performance Guarantees in Large-Scale Cross-path Packet Switch". *IEEE/ACM Transactions on Networking* vol.11 no.2, pp.325-337. 2003.04.

<P031963> **MA Kun and TANG Xiaoou.** "Face Recognition Using Discrete Wavelet Graph". *Proceedings of the International Conference on Acoustics, Speech and Signal Processing (ICASSP)* pp.117-120. 2003.04.

<P031980> **CAI Ning and YEUNG Wai Ho Raymond.** "Network Error Correction". *2003 IEEE International Symposium on Information Theory* Yokohama, Japan, 2003.06.29.

<P032537> **TANG Xiaoou; LIN FENG; SCOTT Samson and ANDREW Remsen.** "Feature Extraction for Binary Plankton Image Classification". Paper presented in the CISST, 6 pgs. Las Vegas, United States of America, 2003.06.23.

<P032741> **CHAN Tsan Jim; KU Yuen Ching; CHAN Chun Kit; CHEN Lian Kuan and TONG Fuk Kay Franklin.** "A Novel Bidirectional Wavelength Division Multiplexed Passive Optical Network with 1:1 Protection". *Optical Fiber Communication Conference (OFC) 2003* Paper FQ6. Atlanta,

Georgia, United States of America: IEEE, OSA, 2003.03.

<P032839> **TSE Yeong Tswen; CHEN Lian Kuan and CHAN Chun Kit.** "A Distributed Collision Avoidance Protocol using Pilot Tone-based Carrier Sense Mechanism for Passive Optical Networks". *Optical Fiber Communication Conference (OFC) 2003* Paper TuR4. Atlanta, Georgia, United States of America: IEEE/OSA, 2003.03.

<P033446> **TAM Angela; SHEN HUA; LIU Jianzhuang and TANG Xiaoou.** "Quadrilateral Signboard Detection and Text Extraction". Paper presented in the CISST, 6 pgs. Las Vegas, United States of America, 2003.06.23.

<P033462> **SUNG Chi Wan and WONG Wing Shing.** "A Noncooperative Power Control Game for Multirate CDMA Data Networks". *IEEE Transactions on Wireless Communications* vol.2 no.1, pp.186-194. IEEE, 2003.01.

<P033531> **CHAN Kit; CHAN Chun Kit; CHEN Lian Kuan and TONG Fuk Kay Franklin.** "Polarization Insensitive Waveform Restoration and Channel Crosstalk Reduction in Semiconductor Optical Amplifier Gates Using Polarimetric Filtering". *Optical Fiber Communication Conference (OFC) 2003* Paper MF98. Atlanta, Georgia, United States of America: IEEE/OSA, 2003.03.

<P033743> **BAO Paul Ge.** "Interscale Image Denoising with Wavelet Context Modeling". *IEEE Transactions on Acoustics, Speech, and Signal Processing* pp.97-100. 2003.04.

<P033909> **KWAN Ho Yuet and LOK Tat Ming.** "Sequence Selection Scheme for DS-CDMA Systems". Paper presented in the Proceedings of IEEE Vehicular Technology Conference, 5 pgs. Korea, South, 2003.04.22.

<P034122> **YEUNG Wai Ho Raymond.** "Set-Theoretic Interpretation of Shannon's Information Measures". *3rd Asia-Europe Workshop on Information Theory* Kamogawa, Japan, 2003.06.25.

<P034362> **LUO BO; WANG Xiaogang and TANG Xiaoou.** "World Wide Web Based Image Search Engine Using Text and Image Content Features". *Proceedings of SPIE Electronic Imaging 2003* ed. by Santini, Simone; Schettini, Raimondo. pp.123-130. United States of America, 2003.01.

<P035095> **BAO Paul Ge and GOURLAY Douglas Alexander.** "Superview 3D Image Warping For Visibility Gap Errors". *IEEE Transactions on Consumer Electronics* vol.49 no.1, pp.177-182. 2003.02.

<P035177> **HO TSZ KIN and LEE Yiu Bun.** "A Row-Permutated Data Reorganization Algorithm for Growing Server-less Video-on-Demand Systems". The 3rd IEEE/ACM International Symposium on Cluster Computing and the Grid 8. Tokyo, Japan, 2003.05.12.

<P035241> **YEUNG Wai Ho Raymond.** "On Entropy, Information Inequalities, and Groups". *Communications, Information and Network Security* ed. by V.K. Bhargava, H. V. Poor, V. Tarokh and S. Yoon. pp.333-359. Kluwer Academic Publishers, 2003.

<P035273> **ZHANG Liang and LEE Tong Tony.** "Dynamic Packet Scheduling Wireless Channel with Varying Capacity". Paper presented in the Vehicular Technology Conference, pp.1459-1463. 2003.04.22.

<P035482> **TAM WING LAM; CHAN King Tung; YUM Peter Tak Shing and CHAN Chun Fai.** "ICAP Solution to Internet Content Adaptation for Pervasive Computing". *Multimedia Computing and Networking 2003* ed. by W. L. Tam, King-Tung Chan, T. S. Yum, and Aldar C. F. Chan. pp.14-23. Santa Clara, United States of America: The International Society for Optical Engineering, 2003.01.21.

<P035934> **BAO Paul Ge and MA Xiaohu.** "Adaptive Data Hiding Using Wavelet Domain Singular Value Decomposition". *Digital Media Processing for Multimedia Interactive Services* ed. by E. Izquierdo . 1 ed. pp.236-241. World Scientific Press, 2003.04.

\<P036187\> **KONG Chun Wai and LEE Yiu Bun.** "Slice-and-Patch - An Algorithm to Support VBR Video Streaming in a Multicast-based Video-on-Demand System". *Journal of Information Science and Engineering* vol.19 no.3, pp.517-530. 2003.05.15.

\<P036697\> **LEUNG Kin Kwong; LOK Tat Ming and SUNG Chi Wan.** "Sequence Adaptation for Cellular Systems". Paper presented in the Proceedings of IEEE Vehicular Technology Conference, 5 pgs. Korea, South, 2003.04.22.

\<P036763\> **BAO Paul Ge.** "Denoising By Spatial Correlation Thresholding". *IEEE Transactions on Circuits and Systems for Video Technology* vol.13 no.6, pp.535-538. United States of America: IEEE, 2003.06.

\<P036964\> **HUNG Wai; CHAN Chun Kit; CHEN Lian Kuan and TONG Fuk Kay Franklin.** "An Optical Network Unit for WDM Access Networks with Downstream DPSK and Upstream Remodulated OOK Data Using Injection-Locked FP Laser". *Optical Fiber Communication Conference (OFC) 2003* Paper TuR2. Atlanta, Georgia, United States of America: IEEE/OSA, 2003.03.

\<P037532\> **WANG Xiaogang and TANG Xiaoou.** "An Improved Bayesian Face Recognition Algorithm in PCA Subspace". *Proceedings of the International Conference on Acoustics, Speech and Signal Processing (ICASSP)* pp.129-132. 2003.04.

\<P037848\> **WONG YING WAI and LEE Yiu Bun.** "Recursive Patching - An Efficient Technique for Multimedia Video Streaming". Paper presented in the 5th International Conference on Enterprise Information Systems, 7 pgs. 2003.04.23.

\<P038344\> **SIM Kwang Mong and CHOI Chung Yu.** "Agents that React to Changing Market Situations". *IEEE Transactions on Systems, Man, and Cybernetics - Part B: Cybernetics* vol.33 no.2, pp.188-201. New York, USA: IEEE, 2003.04.

\<P038428\> **CHAN Pak Hang and LEE Yiu Bun.** "An Efficient Disk-Array-Based Server Design for a Multicast Video Streaming System". *Proc. IEEE 14th International Conference on Application-specific Systems, Architectures and Processors (ASAP)* pp.271-281. Hague, Netherlands: IEEE Computer Society Press, 2003.06.24.

\<P038743\> **BAO Paul Ge and GOURLAY Douglas Alexander.** "Remote Rendering of Multimedia 3D Scenes on Mobile Devices Using 3D Image Warping". *Digital Media Processing for Multimedia Interactive Services* ed. by E. Izquierdo. 1st ed. pp.375-380. 2003.04.

\<P039365\> **WONG Wing Shing and QIN An.** "Method and System for Document Retrieval Based on Bayesian Network". Hong Kong Patent No. HK1020096. Hong Kong SAR, 2003.06.27.

\<P039925\> **ZHANG Liang and LEE Tong Tony.** "A MAC Protocol with Efficient Fair Scheduling for CDMA-Based Mobile Networks". Paper presented in the Vehicular Technology Conference, pp.481-484. 2003.04.22.

See Also \<P022550\>, \<P024272\>, \<P034837\>, \<P984738\>

<P020583> **BERKELAAR Arjan; DERT Cees; OLDENKMP Bart and ZHANG Shuzhong.** "A Primal-Dual Decomposition-Based Interior Point Approach to Two-Stage Stochastic Linear Programming". *Operations Research* vol.50 no.5, pp.904-915. INFORMS, 2002.09.05.

<P020591> **JIN Honglan and WONG Kam Fai William.** "A Chinese Dictionary Construction Algorithm for Information Retrieval". *ACM Transactions on Asian Language Information Processing* vol.1 no.4, pp.281-296. 2002.12.

<P020602> **CHEN Youhua and FENG Youyi.** "Joint Pricing and Inventory Control with Setup Costs and Demand". *Proceedings of the Conference on Global Supply Chain Management* Beijing, China, 2002.08.05.

<P020811> **FUNG Gabriel Pui Cheong; YU Jeffrey Xu and LAM Wai.** "Automatic Stock Trend Prediction by Real Time News". *Advances in Data Mining and Modeling* ed. by W.F. Ching and Michael K.P. Ng. World Scientific, 2002.

<P020817> **FENG Ling; YU Jeffrey Xu; LU Hongjun and HAN Jiawei.** "A Template Model for Multidimensional Inter-Transactional Association Rules". *VLDB Journal* vol.11 no.2, 2002.10.

<P020975> **KIM Bowon; LEUNG May Yee Janny; PARK Kwang Tae; ZHANG Guoqing and LEE Seungchul.** "Configuring a Manufacturing Firm's Supply Network with Multiple Suppliers". *IIE Transactions* vol.34 pp.663-677. USA: IIE, 2002.08.

<P020994> **FEIGIN G; KATIRCIOGLU K and YAO David D.** "Distribution Resource Planning: A Critique and Performance Enhancement". *Analysis and Modeling of Manufacturing Systems* ed. by S. Gershwin et al. Kluwer, 2002.10.

<P021143> **XU Yabo; YU Jeffrey Xu; LIU Guimei and LU Hongiun.** "From Path Tree to Frequent Patterns: A Framework for Mining Frequent Patterns". *2002 IEEE International Conference on Dataming (ICDM)* ed. by Vipin Kumar, Shusaku Tsumoto, NingZhong, Xingdong Wu and Philip S. Yu. pp.514-521. Maebashi City, Japan: IEEE Computer Society, 2002.12.10.

<P021215> **MENG Mei Ling Helen; KEUNG Chi Kin; SIU Kai Chung; FUNG Tien Ying and CHING Pak Chung.** "CU Vocal: Corpus-based Syllable Concatenation for Chinese Speech Synthesis Across Domains and Dialects". *Proceedings of the International Conference on Spoken Language Processing (ICSLP)* 4 pages. Denver, United States of America, 2002.09.

<P021372> **YANG Christopher Chuen Chi and WANG Fu Lee.** "Document Summarization on Handheld Device: An Information Visualization Tool for Mobile Commerce". *Proceedings of the Workshop on e-Business (WEB2002) in ICIS 2002* Barcelona, Spain, 2002.12.14.

<P021492> **Chi-Hon Choi; YU Jeffrey Xu and Gang Gou.** "What Difference Heuristics Make: Maintenance-Cost View-Selection Revisited". *The Third International Conference on Web-Age Information Management* 2002.08.11.

<P021598> **CHEN Youhua; FENG Youyi and SIMCHI-LEVI David.** "Uniform Distribution of Inventory Positions in Two-echelon Periodic Review Systems with Batch-ordering Policies and Interdependent Demands". *European Journal of Operational Research* vol.140 pp.648-654. 2002.08.01.

<P021622> **YANG Christopher Chuen Chi and NAIKAN V. N. A..** "Application of Hierarchical Interval Constraint Networks for Optimization of Tolerance Allocation". *Proceedings of the Fourth Asia-Pacific Conference on Industrial Engineering and Management Systems* Taipei, Taiwan, 2002.12.18.

<P021657> **YANG Christopher Chuen Chi; CIARALLO F. W. and MAREFAT M. M..** "Handling Uncertainties of Robot Manipulators and Active Vision by Constraint Propagation". *Journal of Robotic Systems* vol.19 no.9, pp.427-441. 2002.09.

<P022074> **LV Jianhua; WANG Guoren; YU Jeffrey Xu; YU Ge; LU Hongjun and SUN Bing.** "Performance Evaluation of a DOM-based XML Database: Storage, Indexing and Query Optimization". *Third International Conference on Web-Age Information Management* 2002.08.

<P022078> **YANG Christopher Chuen Chi; KWOK S. H. and YIP M. K.** "Image Browsing of Feature-based Products". *Proceedings of the SPIE International Conference on Electronic Imaging and Multimedia Technology, Photonics Asia* Shanghai, China, 2002.10.14.

<P022140> **WONG Kam Fai William; LI Wenjie; YUAN Chunfa and ZHU Xiaodan.** "Temporal Representation and Classification in Chinese". *International Journal of Computer Processing of Oriental Languages* vol.15 no.22, pp.211-230. United States of America: World Scientific, 2002.

<P022161> **LIANG Weifa and YU Jeffrey Xu.** "Parallel Maintenance of Materialized Views on Personal Computer Clusters". *International Journal of Parallel and Distributed Systems and Networks* vol.5 no.4, 2002.

<P022203> **MENG Mei Ling Helen.** "CU VOCAL, a Highly Natural and Intelligible Cantonese Speech Synthesizer". 2002.

<P022323> **YAO Li; CHEN Youhua and YAN Houmin.** "Newsvendor Pricing Game". *Proceedings of the Conference on Global Supply Chain Management* pp.216-221. Beijing, China, 2002.08.05.

<P022367> **CHENG Chun Hung; LEE Wing Kin and WONG Kam Fai William.** "A GA-based Clustering Approach for Database Partitioning". *IEEE Transactions Systems, Man, and Cybernetics Part C* vol.32 no.3, pp.215-230. 2002.

<P022509> **MENG Mei Ling Helen. ed.** *Computer Speech and Language Journal.* 2002.

<P022564> **MENG Mei Ling Helen; CHING Pak Chung; WONG Yee Fong Julia and CHAN Cheong Chat.** "ISIS: A Multi-Modal, Trilingual, Distributed Spoken Dialog System Developed with CORBA, Java, XML and KQML". International Conference on Spoken Language Processing 2002 4 pages. Denver, United States of America, 2002.09.

<P022730> **FUNG Gabriel Pui Cheong; YU Jeffrey Xu and LU Hongjun.** "Discriminative Category Matching: Efficient Text Classification for Huge Document Collections". Paper presented in the 2002 International Conference on Data Mining (1CDM02), p.8. Maebashi City, Japan, 2002.12.09.

<P022829> **WONG Tak Lam and LAM Wai.** "Adapting Information Extraction Knowledge for Unseen Web Sites". *The 2002 IEEE International Conference on Data Mining* p.506. Maeboshi Terrsaa, Japan: IEEE, 2002.12.09.

<P023038> **LV Jianhua; WANG Guoren; YU Jeffrey Xu; YU Ge; LU Hongjun and SUN Bing.** "A New Path Expression Computing Approach for XML Data". *First VLDB Workshop on Efficiency and Effectiveness of XML Tools, and Techniques* 2002.08.

<P023077> **MOK Bonnie and MENG Mei Ling Helen.** "Improvements on a Belief Network Framework for Natural Language Understanding of Domain-Specific Chinese Queries". *International Symposium on Chinese Spoken Language Processing* pp.201-204. 4 pages. Taipei, Taiwan: The Association for Computational Linguistic and Chinese Language Processing, 2002.08.

<P023103> **LIANG Weifa and YU Jeffrey Xu.** "Parallel Maintenance of Materialized Views on Personal Computer Clusters". *IASTED International Conference on Parallel and Distributed Computing and Systems* 2002.11.

<P023126> **SAGGION Horacio; RADEV Dragomir; TEUFEL Simone and LAM Wai.** "Meta-evaluation of Summaries in a Cross-lingual Environment Using Content-based Metrics". *Proceedings of the 19th International Conference on Computational Linguistics* pp.849-855. Taipei, Taiwan, 2002.08.24.

<P023360> **YAO David D.; ZHANG Shuzhong and ZHOU Xunyu.** "Linear Quadratic Control Revisited: A View through Semidefinite Programming". *Modeling, Control and Optimization of Complex Systems* ed. by Weibo Gong and Leyuan Shi. pp.195-235. Kluwer, 2002.

<P023516> **ZHENG Shihui; ZHOU Aoying; YU Jeffrey Xu; ZHANG Long and TAO Han.** "Structural-Map: A New Index for Efficient XML Path Expression Processing". *Third International Conference on Web-Age Information Management* 2002.08.

<P023772> **LI Wenjie and WONG Kam Fai William.** "Temporal Information Processing and Inference". *Proceedings of 2nd Conference on Chinese and Japanese Natural Language Processing* pp.303-305. Beijing, 2002.11.01.

<P024185> **WONG Chi Fat; LEUNG May Yee Janny and CHENG Chun Hung.** "Vehicle Routing Problem with Time Windows & Stochastic Travel Times". Paper presented in the INFORMS Annual Meeting 2003, San Jose, United States of America, 2002.11.20.

<P024213> **CHEN Hong; SHEN Xinyang and YAO David D.** "Brownian Approximations of Multiclass Open-Queueing Networks". *Operations Research* vol.50 no.6, pp.1032-1049. INFORMS, 2002.11.

<P024341> **CHIU Chun Hung and ZHOU Xunyu.** "Mean-Variance Market Portfolio, Its Inefficiency and CAPM in Continuous Time". Paper presented in the INFORMS Annual Meeting 2003, San Jose, CA, United States of America, 2002.11.17.

<P024347> **LAM S. S.; LAM Kai Pui and NG Hoi Shing Raymond. ed.** "Genetic Fuzzy Expert Trading System for NASDAQ Stock Market Timing". *Genetic Algorithms and Genetic Programming in Computational Finance* Chen S.H. (ed.), Chapter 1. pp.198-217. pgs. Kluwer Academic Publishers, 2002.07.

<P024441> **YANG Christopher Chuen Chi and YIP M. K.** "Quantization of Color Histograms Using GLA". *Proceedings of the SPIE International Conference on Electronic Imaging and Multimedia Technology, Photonics Asia* Shanghai, China, 2002.10.14.

<P024463> **WU Hanzhong and ZHOU Xunyu.** "Characterizing All Optimal Controls for an Indefinite Stochastic Linear Quadratic Control Problem". *IEEE Transactions on Automatic Control* vol.47 no.7, pp.1119-1122. IEEE, 2002.07.

<P024524> **RAMI M. Ait; CHEN Xi and ZHOU Xunyu.** "Discrete-time Indefinite LQ Control with State and Control Dependent Noises". *Journal of Global Optimization* vol.23 pp.245-265. Kluwer Academic Publishers, 2002.

<P024580> **BASNET Chuda and LEUNG May Yee Janny.** "Inventory Lot-sizing with Supplier Selection". *Proceedings of the 37th Annual Conference of the Operational Research Society of New Zealand* pp.217-226. Auckland, New Zealand: Operational Research Society of New Zealand, 2002.11.28.

<P024657> **MOK Pik Yin and LAM Kai Pui.** "Genetic Optimisation of Bankruptcy Prediction Models". Paper presented in the 4th Asia-Pacific Conference on Simulated Evolution and Learning, 2002.

<P024664> **LI Duan; QIAN F. C. and FU Peilin.** "Variance Minimization Approach for a Class of Dual Control Problems". *IEEE Transactions on Automatic Control* vol.47 no.12, pp.2010-2020. 2002.12.

<P024731> **LAM Wai; KEUNG Chi Kin and LIU Danyu.** "Discovering Useful Concept Prototypes for Classification Based on Filtering and Abstraction". *IEEE Transactions on Pattern Analysis and Machine Intelligence* vol.24 no.8, pp.1075-1090. IEEE, 2002.08.

<P025139> **CHANG Eric; SEIDE Frank; MENG Mei Ling Helen; CHEN Zhuoran; SHI Yu and LI Yuk Chi.** "A System for Spoken Query Information Retrieval on Mobile Devices". *IEEE Transactions on Speech and Audio Processing* vol.10 no.8, pp.531-541. IEEE, 2002.11.

<P025857> **YAN Houmin; SRISKANDARAJAH Chelliah and SETHI Suresh P.** "Supply-Chain Redesign to Reduce Safety Stock Levels: Sequencing and Merging Operations". *IEEE Transactions on Engineering Management* vol.49 no.3, pp.243-257. 2002.08.

<P025930> **LEUNG May Yee Janny; CHENG Chun Hung; WONG Chi Fat and FUNG Tsz Wa.** "Dynamic Routing for Logistics Decision Support". *Global Supply Chain Management - Proceedings of the International Conference on Global Supply Chain Management* pp.41-43. Beijing, China, 2002.08.

<P026050> **LAM Wai; KEUNG Chi Kin and LING Charles X.** "Learning Good Prototypes for Classification Using Filtering and Abstraction of Instances". *Pattern Recognition* vol.35 pp.1491-1506. Elsevier Science, 2002.07.

<P026298> **YAO David D. and ZHENG Shaohui.** *Dynamic Control of Quality in Production-Invenory Systems: Coordination and Optimization.* ed. by Springer Series in Operations Research. 230 pgs. Springer, 2002.09.

<P026490> **WANG Tong and FENG Youyi.** "A Two-Leg Airline Revenue Management Model with Cancellations and No-Shows". Paper presented in the INFORMS Annual Meeting 2002, San Jose, CA, United States of America, 2002.11.17.

<P026636> **LO Wai Kit; MENG Mei Ling Helen and CHING Pak Chung.** "Multi-Scale and Multi-Model Integration for Improved Performance in Chinese Spoken Document Retrieval". *Proceedings of the Seventh International Conference on Spoken Language Processing* 4 pages, CD-ROM. Denver, United States of America, 2002.09.

<P026667> **LIU Hongyan; YU Jeffrey Xu; LU Hongjun and CHEN Jian.** "Unifying Decision Tree Induction and Association Based Classification". *Second IEEE International Conference on Systems, Man and Cybernetics* 2002.10.

<P026783> **MAK Sui Tung Terrence and LAM Kai Pui.** "Serial-Parallel Tradeoff Analysis Of All-Pairs Shortest Path Algorithms In Reconfigurable Computing". *Proceedings 2002 IEEE International Conference on Field-Programming Technology (FPT)* pp.302-305. 2002.

<P026999> **LAM Kai Pui and MOK Pik Yin.** "Stock Price Prediction Using Intraday and Ahipmi Data". *Neural Information Processing, 2002, ICONIP'02.* pp.2167-2171. 2002.11.18.

<P027190> **NG Hoi Shing Raymond and LAM Kai Pui.** "Analog Implementation of BRIN for Optimization Problems". *2002 IEEE Region 10 Conference on Computers, Communications, Control and Power Engineering* ed. by Vol. 1, 28-31. pp.637-640. 2002.10.

<P027354> **SONG Jing-sheng and YAO David D.** "Performance Analysis and Optimization of Assemble-to-Order Systems with Random Lead Times". *Operations Research* vol.50 no.5, pp.889-903. INFORMS, 2002.09.

<P027531> **YAO David D.** "Dynamic Scheduling via Polymatroid Optimization". *Performance Evaluation of Complex Systems: Techniques and Tools* ed. by M.C. Calzarossa and S. Tucci. pp.89-113. Springer-Verlag, 2002.

<P027610> **YANG Christopher Chuen Chi and LI Kar Wing.** "English/Chinese Documents Alignment Using Length-based and Text-based Approaches". *Proceedings of the International Conference on Digital Library: IT Opportunities and Challenges in the New Millennium* pp.371-381. Beijing, China, 2002.07.09.

<P027728> **XU Y. F. and LI Duan.** "A Nonlinear Lagrangian Dual for Integer Programming". *Operations Research Letters* vol.30 pp.401-407. 2002.

Faculty of Engineering

<P027900> **FUNG Tien Ying and MENG Mei Ling Helen.** "The Effect of Tonal Context on Cantonese Concatenative Speech Synthesis". *Proceedings of the International Symposium of Chinese Spoken Language Processing (ISCSLP)* 4 pages. Taipei, Taiwan, 2002.08.

<P028072> **LI Wenjie and WONG Kam Fai William.** "A Word-Based Approach for Modeling and Discovering Temporal Relations Embedded in Chinese Sentences". *ACM Transactions on Asian Language Information Processing* vol.1 no.3, pp.173-206. 2002.09.

<P028260> **MENG Mei Ling Helen; LEE Steven and WAI Chi Man Carmen.** "Intelligent Speech for Information Systems: Towards Biliteracy and Trilingualism". *Interacting with Computers* vol.14 no.4, pp.327-339. Elsevier Science B. V., 2002.07.

<P028422> **LAM Kai Pui.** "On Nonlinear Modeling for the Predictability of Equity Return". *15th Triennial World Congress of the International Federation of Automatic Control* Barcelona, Spain: IFAC'02, 2002.07.

<P02845> **FU Peilin; LI Duan and QIAN Fucai.** "Active Dual Control for Linear-Quadratic Ganssian System with Unknown Parameters". Paper presented in the 15th IFAC (International Federation of Automatic Control) World Congress, organized by International Federation of Automatic Control. Barcelona, Spain, 2002.07.

<P02850> **LO Sau Han; MENG Mei Ling Helen and LAM Wai.** "Automatic Bilingual Text Document Summarization". *The 6th World, Multiconference on Systemics, Cybernetics and Informatics* pp.113-118. Florida, USA: International Institute of Informatics and Systematics, 2002.07.

<P028933> **WONG Kam Fai William and CHENG Chun Hung.** "Experience of CINTEC in Technology Transfer". *In Proceedings of 8th Cross Strait Conference on Strategic Management Information Systems* Macau, 2002.11.09.

<P029003> **WONG Kam Fai William.** "NewsML Stanards for News, Media and Press Industry". *In Proceedings of 1st International Chinese NewsML Conference* pp.189-193. Beijing, 2002.12.05.

<P029007> **YANG Christopher Chuen Chi and LI Kar Wing.** "Building Parallel Corpora by Automatic Title Alignment". *Proceedings of the International Conference on Asia Digital Libraries* Singapore, 2002.12.11.

<P029758> **CHOI Tsan Ming; LI Duan and YAN Houmin.** "Electronic Marketplace for Returned Products in Publishing Industry : A Simulation Analysis". *Quarterly Journal of Electronic Commerce* vol.3 no.4, pp.357-373. 2002.12.

<P030256> **YANG Christopher Chuen Chi and KWOK S. H..** "Efficient Gamut Clipping for Color Image Processing Using LHS and YIQ". *Optical Engineering* vol.42 no.3, pp.701-711. 2003.03.

<P030327> **LI Wenjie; WONG Kam Fai William and YUAN Chunfa.** "A Design of Temporal Event Extraction from Chinese Financial News". *International Journal of Computer Processing of Oriental Languages* vol.16 no.1, pp.21-40. 2003.03.

<P030343> **HUANG Ruizhang and LAM Wai.** "Supporting Story Link Detection Using Automatic Topic Type Categorization". *Proceedings of the 2003 International Conference on Information and Knowledge Engineering* pp.160-166. Las Vegas, United States of America, 2003.06.23.

<P030417> **WONG Kam Fai William.** "R&D Support Programs in Hong Kong". *Communications of International Chinese Information Systems Association* vol.5 no.1, pp.14-22. United States of America, 2003.

<P030433> **LAM Wai and YU Kwok Leung.** "High-Dimensional Learning Framework for Adaptive Document Filtering". *Computational Intelligence* vol.19 no.1, pp.42-63. Blackwell Publishing, 2003.02.

<P030469> **VAIRAKTARAKIS George L. and CAI Xiaoqiang.** "The Value of Processing Flexibility in Multipurpose Machines". *IIE Transactions on Scheduling and Logistics* vol.35 pp.763-774. 2003.

<P030716> **WU Jiangqin; LU Hongjun and YU Jeffrey Xu.** "Classifying Data Streams Using Neural Networks". *The PAKDD Workshop on Data Mining for Actionable Knowledge* 2003.04.

<P030816> **WANG Wei; JIANG Haifeng; LU Hongjun and YU Jeffrey Xu.** "Containment Join Size Estimation: Models and Methods". *ACM SIGMOD International Conference on Management of Data* 2003.06.

<P030818> **FUNG Gabriel Pui Cheong; YU Jeffrey Xu and LAM Wai.** "Stock Prediction: A Non-Quantifiable Approach using Real-Time News". *IEEE 2003 International Conference on Computational Intelligence for Financial Engineering* 2003.03.

<P031260> **CHOULLI Tahir; TAKSAR Michael and ZHOU Xunyu.** "A Diffusion Model for Optimal Dividend Distribution for a Company with Constraints on Risk Control". *SIAM J. Control Optim* vol.41 no.6, pp.1946-1979. Society for Industrial and Applied Mathematics, 2003.

<P031416> **YANG Christopher Chuen Chi and LI Kar Wing.** "Automatic Construction of English/Chinese Parallel Corpora". *Journal of the American Society for Information Science and Technology* vol.54 no.8, pp.730-742. 2003.06.

<P031487> **MAK Sui Tung Terrence and LAM Kai Pui.** "High Speed GAML-based Phylogenetic Tree Reconstruction Using HW/SW Codesign". Paper presented in the Proceedings of the 2003 IEEE Bioinformatics Conference (CSB2003), pp.470-473. 2003.

<P031590> **HU Ying and ZHOU Xunyu.** "Indefinite Stochastic Riccati Equations". *SIAM J. Control Optim.* vol.42 no.1, pp.123-137. Society for Industrial and Applied Mathematics, 2003.

<P031591> **MENG Mei Ling Helen; LO Tin Hang; KEUNG Chi Kin; HO Man Cheuk; LO Wai Kit and CHING Pak Chung.** "CU VOCAL Web Service: A Text-to-speech Synthesis Web Service for Voice-enabled Web-mediated Applications". *Proceedings of the Twelfth International World Wide Web Conference* 2 pages. Budapest, Hungary, 2003.05.

<P031694> **FENG Youyi; LIN Ping and XIAO Baichun.** "Optimal Airline Booking Control with Cancellations". *Stochastic Modeling and Optimization with Applications in Queues, Finance, and Supply Chains* pp.395-428. Springer, 2003.02.

<P031714> **CHEN Youhua and DISNEY Stephen.** "The Order-Up-To Policy "Sweet Spot" - Using Proportional Controllers to Eliminate the Bullwhip Problem". *Proceedings of the POM and Euro OMA Conference* Combo Lake, Italy, 2003.06.16.

<P031717> **KWOK S. H.; LIU S. M.; CHEUNG R.; CHAN S. and YANG Christopher Chuen Chi.** "Searching Behavior in Peer-to-Peer Communities". *Proceedings of the IEEE International Conference on Information Technology: Coding and Computing* Las Vegas, United States of America, 2003.04.28.

<P031856> **LEUNG May Yee Janny and ZHANG Guoqing.** "Optimal Cyclic Scheduling for Printed-circuit-board Production Lines with Multiple Hoists and General Processing Sequences". *IEEE Transactions on Robotics and Automation* vol.19 pp.480-484. New York: IEEE, 2003.06.

<P031869> **HUI Pui Yu; LO Wai Kit and MENG Mei Ling Helen.** "Two Robust Methods for Cantonese Spoken Document Retrieval". *Proceedings of the ISCA Workshop on Multilingual Spoken Document Retrieval (MSDR)* 6 pages CD-ROM. Hong Kong SAR, 2003.04.

<P031974> **CHOI Tsan Ming; LI Duan and YAN Houmin.** "Optimal Single Ordering Policy with Multiple Delivery Modes and Bayesian Information Updates". *Computers and Operations Research* 2003.03.11.

<P032194> **LI Kar Wing and YANG Christopher Chuen Chi.** "Automatic Construction of Cross-lingual Networks of Concepts from the Hong Kong SAR Police Department". *Proceedings of the First NSF/NIJ Symposium on Intelligence and Security Informatics (ISI 2003)* Tucson, United States of America, 2003.06.02.

<P032464> **BALAKRISHNAN J.; CHENG Chun Hung and WONG Kam Fai William.** "FACOPT: A FACility Layout OPTimization System". *Computers & Operations Research* vol.30 pp.1625-1641. Pergamon, 2003.

<P032809> **LIU Guimei; LU Hongjun; XU Yabo and YU Jeffrey Xu.** "Ascending Frequency Ordered Prefix-tree: Efficient Mining of Frequent Patterns". *8th International Conference on Database Systems for Advanced Applications* 2003.03.

<P033144> **SETHI Suresh P.; YAN Houmin and ZHANG Hanqin.** "Inventory Models With Fixed Costs, Forecast Updates, and Two Delivery Modes". *Operations Research* vol.51 no.2, pp.321-328. 2003.

<P033268> **GOU Gang; LU Hongjun; CHOI Chi Hon and YU Jeffrey Xu.** "An Efficient and Interactive A*-Algorithm with Pruning Power: Materialized View Selection Revisited". *The 8th International Conference on Database Systems for Advanced Applications (DASFAA 2003)* IEEE Computer Society. p.8. Kyoto, Japan, 2003.03.26.

<P033352> **LAW Yin Yee; HUANG Ruizhang and LAM Wai.** "Discovering Bilingual Name Association and Translation from Online News of Different Sources". *Proceedings of the 2003 International Conference on Information and Knowledge Engineering* pp.109-115. Las Vegas, United States of America, 2003.06.23.

<P033699> **LAM Wai and HAN Yiqiu.** "Automatic Textual Document Categorization Based on Generalized Instance Sets and a Metamodel". *IEEE Transactions on Pattern Analysis and Machine Intelligence* vol.25 no.5, pp.628-633. IEEE Computer Society, 2003.05.

<P033766> **YANG Christopher Chuen Chi; CHEN Hong and HONG K..** "Visualization of Large Category Map for Internet Browsing". *Decision Support Systems, Special Issue on Web Retrieval and Mining* vol.35 no.1, pp.89-102. 2003.04.

<P034087> **MENG Mei Ling Helen.** "Information Infrastructure Expo 2003". Hong Kong SAR, 2003.02.19.

<P034320> **WANG Ke; ZHOU Senqiang; FU Ada and YU Jeffrey Xu.** "Mining Changes of Classification by Correspondence Tracing". *SIAM International Conference on Data Mining* 2003.05.

<P034370> **LI Wenjie and WONG Kam Fai William.** "The Design of a Statistical Algorithm for Resolving Structural Ambiguity in 'V NP1 usde NP0'". *Computational Intelligence* vol.19 no.1, pp.64-85. 2003.02.

<P034382> **WANG Ke; JIANG Yuelong; YU Jeffrey Xu; DONG Guozhu and HAN Jiawei.** "Pushing Aggregate Constraints by Divide-and-Approximate". *19th IEEE International Conference on Data Engineering* 2003.03.

<P034452> **LU Yingdong; SONG Jing-sheng and YAO David D.** "Order Fill Rate, Leadtime Variability, and Advance Demand Information in an Assemble-to-Order System". *Operations Research* vol.51 no.2, pp.292-308. INFORMS, 2003.03.

<P034513> **LAM Kai Pui and MAK Sui Tung Terrence.** "An FPGA-Based Eigenfilter Using Fast Hebbian Learning". *IEEE International Conference on Acoustics, Speech, and Signal Processing, 2003,* pp.765-768. 2003.04.06.

<P034557> **CHOI Tsan Ming; LI Duan and YAN Houmin.** "Optimal Returns Policy for Supply Chain with E-Marketplace". *International Journal of Production Economics* 2003.05.30.

<P034754> **TORKZADEH G. and YANG Christopher Chuen Chi.** "Measures of Perceived User Satisfaction with Internet Search Engines". *Proceedings of the ISOneWorld Conference and Convention* Las Vegas, United States of America, 2003.04.23.

<P035719> **ZHOU Xiangmin; WANG Guoren; YU Jeffrey Xu and YU Ge.** "M+-tree: A New Dynamical Multidimensional Index for Metric Spaces". *i Fourteenth Australasian Database Conference* 2003.02.

<P035792> **LU Hongjun; YU Jeffrey Xu; WANG Guoren; ZHENG Shihui; JIANG Haifeng; YU Ge and ZHOU Aoying.** "What Makes the Differences: Benchmarking XML Database Implementations". *The 19th IEEE International Conference on Data Engineering* 2003.03.

<P036011> **YANG Christopher Chuen Chi and WANG Fu Lee.** "Fractal Summarization for Mobile Device to Access Large Documents on the Web". *Proceedings of the International World Wide Web Conference* Budapest, Hungary, 2003.05.20.

<P036118> **TSE Lok Ki and LAM Kai Pui.** "Steady-State Response Estimation for Self-Tuning Optimal Control". *International Conference on Computational Intelligence for Modelling, Control & Automation* pp.519-538. 2003.02.12.

<P036183> **STURM Jos F. and ZHANG Shuzhong.** "On Cones of Nonnegative Quadratic Functions". *Mathematics of Operations Research* vol.28 no.2, pp.246-267. INFORMS, 2003.05.

<P036402> **CHOI Tsan Ming; LI Duan and YAN Houmin.** "Optimal Two-stage Ordering Policy with Bayesian Information Updating". *Journal of the Operational Research Society* vol.54 pp.846-859. Operational Research Society Ltd., 2003.

<P036641> **HUI Pui Yu; LO Wai Kit and MENG Mei Ling Helen.** "Multimedia Fusion in Automatic Extraction of Studio Speech Segments for Spoken Document Retrieval". *Proceedings of the International Conference on Acoustics, Speech and Signal Processing (ICASSP)* 4 pages, CD-ROM. Hong Kong SAR, 2003.04.

<P036646> **ZHANG G. C.; CAI Xiaoqiang and WONG Chak Kuen.** "Scheduling Two Groups of Jobs with Incomplete Information". *Journal of Systems Science and Systems Engineering* vol.12 no.1, pp.73-81. 2003.03.

<P036840> **YANG Christopher Chuen Chi and NAIKAN V. N. A.** "Optimum Design of Component Tolerances of Assembles Using Constraint Networks". *International Journal of Production Economics* vol.84 no.2, pp.149-163. 2003.05.

<P036969> **FU Yiu Hang and LAM Kai Pui.** "A Subset ARIMA Approach For Intraday Prediction With Genetic Algorithm". Paper presented in the CIFEr'03 Workshop - Soft Computing for Financial Analysis, 2003.

<P037014> **CHANG C. S.; YAO David D. and ZAJIC T.** "Large Deviations for Processes with Long-Range Dependence, with Queueing Applications". *Stochastic Modeling and Optimization, with Applications in Queues, Finance, and Supply Chains* ed. by D.D. Yao, H. Zhang and X.Y. Zhou. Springer-Verlag, 2003.01.

<P037044> **LIM Andrew E. B.; ZHOU Xunyu and MOORE John B..** "Multiple-objective Risk-sensitive Control and Its Small Noise Limit". *Automatica* vol.39 pp.533-541. Elsevier Science Ltd., 2003.

<P037147> **ZHAO Y. B. and LI Duan.** "A Globally and Locally Superlinearly Convergent Non-Interior-Point Algorithm for P_0 LCPs". *SIAM Journal on Optimization* vol.13 no.4, pp.1195-1221. 2003.

<P037370> **ZHANG Shuzhong.** "An Interior-Point Approach to Multi-Stage Stochastic Programming". *Stochastic Modeling and Optimization , with Applications in Queues, Finance, and Supply Chains* pp.137-170. 2003.02.

<P037372> **WEI Li; QIAN Weining; ZHOU Aoying; JIN Wen and YU Jeffrey Xu.** "HOT: Hypergraph-based Outlier Test for Categorical Data". *7th Pacific-Asia Conference on Knowledge Discovery and Data Mining* 2003.04.

<P037442> **YAN Houmin and ZHANG Hanqin. ed.** "Information Revision and Decision Making in Supply Chain Management". *Stochastic Modeling and Optimization: With Applications in Queues, Finance, and Supply Chains* Chapter 14. pp.429-457 pgs. Springer, 2003.

<P038111> **YANG Christopher Chuen Chi and WANG Fu Lee.** "Automatic Summarization for Financial News Delivery on Mobile Devices". *Proceedings of the International World Wide Web Conference* Budapest, Hungary, 2003.05.20.

<P038285> **FUNG Gabriel Pui Cheong; YU Jeffrey Xu and LAM Wai.** "Stock Prediction: Integrating Text Mining Approach Using Real-Time News". *Proceedings of the International Conference on Computational Intelligence for Financial Engineering* pp.395-402. Hong Kong SAR, 2003.03.21.

<P038514> **LU Hongjun; YU Jeffrey Xu; LI Zhixian and FENG Ling.** "Fully Dynamic Partitioning: Handling Data Skew in Parallel Data Cube Computation". *The Journal of Distributed and Parallel Databases* vol.13 no.2, 2003.

<P038669> **LI Yuk Chi and MENG Mei Ling Helen.** "Document Expansion Using a Side Collection for Monolingual and Cross-language Spoken Document Retrieval". *Proceedings of the ISCA Workshop on Multilingual Spoken Document Retrieval (MSDR)* pp.85-90 (6 pages). Hong Kong SAR, 2003.04.

<P038736> **LAM Wai; WONG Tak Lam and WANG Wei.** "Adapting Wrappers to Unseen Web Sites Based on Hybrid Text Classification". *In Proceedings of the Text Mining Workshop in the Third SIAM International Conference on Data Mining (SDM 2003)* San Francisco, United States of America, 2003.05.03.

<P038752> **LI Duan; QIAN F. C. and FU Peilin.** "Mean-variance Control for Discrete-time LQG Problems". *Proceedings of the 2003 American Control Conference* pp.4444-4449. Denver, United States of America, 2003.06.04.

<P038973> **LI Duan; QIAN F. C. and FU Peilin. ed.** *"Variance Minimization in Stochastic Systems".* D. D. Yao, H. Q. Zhang and X. Y. Zhou (Eds). pp.311-332. Springer-Verlag, 2003.

<P039025> **LAM Kai Pui. ed.** "Intelligent Information Systems for Crime Analysis". *Applied Decision Support with Soft Computing* X. Yu and J. Kacprzyk (eds.). pp.346-363 pgs. Springer-Verlag, 2003.

<P039376> **NG Hoi Shing Raymond; MAK Sui Tung Terrence and LAM Kai Pui.** "Field Programmable Gate Arrays And Analog Implementation of Brin for Optimization Problems". Paper presented in the The 2003 IEEE International Symposium on Circuits and Systems, V-73:V-75 pgs. 2003.

<P039450> **NG Hoi Shing Raymond; LAM Kai Pui and LAM Sze Sing.** "Incremental Genetic Fuzzy Expert Trading System for Deriatives Market Timing". *Paper presented in the Proceedings of 2003 IEEE International Conference on Computational Intelligence for Financial Engineering (CIFEr2003),* pp.421-427. 2003.03.20.

<P039490> **ZHANG Guochuan; CAI Xiaoqiang and WONG Chak Kuen.** "Optimal On-line Algorithms for Scheduling on Parallel Batch Processing Machines". *IIE Transactions on Scheduling and Logistics* vol.35 pp.175-181. 2003.

<P039522> **YU Sheung Fan and WONG Kam Fai William.** "Positioning Models for Context-aware Applications". *In Proceedings 2003 International Conference on Wireless Networks (ICWN' 03)* Las Vegas, United States of America, 2003.06.23.

<P039656> **YAO David D.; ZHANG Hanqin and ZHOU Xunyu.** *"Stochastic Modeling and Optimization, with Applications in Queues, Finance, and Supply Chains".* 480 pgs. Springer, 2003.02.

<P039725> **YAN Houmin; LIU Ke and HSU Arthur.** "Optimal Ordering In A Dual-Supplier SystemWith Demand Forecast Updates". *Production and Operations Management* vol.12 no.1, pp.30-45. United States of America, 2003.

<P039737> **YANG Christopher Chuen Chi and LI Kar Wing.** "Generating Cross-lingual Concept Space from Parallel Corpora on the Web". *Proceedings of the International World Wide Web Conference* Budapest, Hungary, 2003.05.20.

<P039777> **LAM Kai Pui.** "Chaotic Learning of Hebbian Eigenfilter With Fast Convergence". *International Conference on Computational Intelligence for Modelling, Control & Automation* pp.529-538. 2003.02.12.

<P039849> **HAN Yiqiu and LAM Wai.** "Exploiting Hierarchical Domain Values for Bayesian Learning". *Proceedings of the 7th Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD* pp.253-264. Seoul, Korea, South: Springer-Verlag Berlin Heidelberg 2003, 2003.04.30.

<P039937> **YANG Christopher Chuen Chi and LUK J.** "Automatic Generation of English/Chinese Thesaurus Based on a Parallel Corpus in Law". *Journal of the American Society for Information Science and Technology, Special Topic Issue on Web Retrieval and Mining: A Machine Learning Perspective* vol.54 no.7, pp.671-682. 2003.05.

See Also <P029363>, <P029467>, <P899017>

See Also <P026974>