

Contents

Part One

xxv	Conference Committees
xxvii	<i>Introduction</i>

INTERNATIONAL CONFERENCE ON GRAPHIC AND IMAGE PROCESSING (ICGIP 2011)

- 8285 02 **Implementation tricks of interior-point methods for large-scale linear programs** [8285-02]
Y. Yuan, Guangdong Univ. of Foreign Studies (China)
- 8285 03 **Using of support vector machines for link spam detection** [8285-03]
R. V. Sharapov, E. V. Sharapova, Murom Institute of Vladimir State Univ. (Russian Federation)
- 8285 04 **Importance of relationship quality in the success of data warehouse systems** [8285-04]
A. Almabhouh, A. R. Saleh, A. Ahmad, Univ. Utara Malaysia (Malaysia)
- 8285 05 **Analyzing the power of classes in an object-oriented software system** [8285-05]
M. Wang, Wenzhou Univ. (China)
- 8285 06 **Case base classification on digital mammograms: improving the performance of case base classifier** [8285-06]
V. Raman, H. H. Then, Swinburne Univ. of Technology (Malaysia); P. Sumari, Univ. Sains Malaysia Penang (Malaysia); N. Venkatesa Mohan, Shri Krishna's Specialty Hospital (India)
- 8285 07 **Reviewing system of research papers for any scientific conferences: an approach of using Sequal quality business model framework** [8285-07]
M. H. Shaikh, Mehran Univ. of Engineering & Technology (Pakistan)
- 8285 08 **Robust detection and tracking pedestrian object for real time surveillance applications** [8285-09]
F. Bousetouane, Univ. Badji Mokhtar (Algeria) and Univ. of Technology of Troyes (France); L. Dib, Univ. Badji Mokhtar (Algeria); H. Snoussi, Univ. of Technology of Troyes (France)
- 8285 09 **Effect of spectral/spatial transformation on remote sensing image for NDVI-based drought detection analysis** [8285-12]
F. Akbar, N. Suryana, B. Hussin, Univ. Teknikal Malaysia Melaka (Malaysia)
- 8285 0A **Efficient barycenter algorithm for drawing hierarchical graphs with minimum edge crossings** [8285-13]
A. A. K. Ismaeel, P. Kumar Shukla, H. Schmeck, Karlsruhe Institute of Technology (Germany)
- 8285 0B **Pupil detection in video images** [8285-14]
A. Liaghatdar, K. Kangarloo, F. Farokhi, Azad Univ. (Iran, Islamic Republic of)

- 8285 0C **Usability evaluation of in-housed developed ERP system** [8285-15]
C. M. N. Faisal, National Textile Univ. (Pakistan); M. Shakeel Faridi, Z. Javed, Univ. of Agriculture (Pakistan)
- 8285 0D **Efficient transmission of 1D and 2D chaotic map encrypted images with orthogonal frequency division multiplexing** [8285-16]
H. M. Kasem, M. E. Nasr, E. A. Sallam, F. E. Abd El-Samie, Tanta Univ. (Egypt)
- 8285 0E **Study on the algorithm technology of sub-pixel positioning** [8285-17]
H. Zhang, L. Cui, Chien-shiung Institute of Technology (China)
- 8285 0F **Knowledge portal: a tool to capture university requirements** [8285-28]
M. Mansourvar, N. Binti Mohd Yasin, Univ. of Malaya (Malaysia)
- 8285 0G **A unified framework for building high performance DVEs** [8285-32]
K. Lei, Z. Ma, Southwest Univ. for Nationalities (China); H. Xiong, Hangzhou Real-time Digital Media Co., Ltd. (China)
- 8285 0H **Pomegranate MR images analysis using ACM and FCM algorithms** [8285-35]
G. Moradi, M. Shamsi, M. H. Sedaaghi, Sahand Univ. of Technology (Iran, Islamic Republic of); M. R. Alsharif, Univ. of the Ryukyus (Japan)
- 8285 0I **Cosmic movement detection using image processing** [8285-43]
S. N. Dhage, A. A. Mishra, R. Patil, Sardar Patel Institute of Technology (India)
- 8285 0J **Monocular depth perception using image processing and machine learning** [8285-45]
A. Hombali, V. Gorde, A. Deshpande, Vishwakarma Institute of Technology (India)
- 8285 0K **An affine projection algorithm using grouping selection of input vectors** [8285-47]
J. Shin, N. Kong, P. Park, Pohang Univ. of Science and Technology (Korea, Republic of)
- 8285 0L **Ameliorated GA approach for base station planning** [8285-63]
A. Wang, H. Sun, X. Wu, Beijing Institute of Technology (China)
- 8285 0M **Image resolution enhancement using dual-tree complex wavelet transform and neural networks** [8285-65]
S. Salehi, H. Mahdavi-Nasab, H. Pourghassem, Islamic Azad Univ.-Najafabad Branch (Iran, Islamic Republic of)
- 8285 0N **Segmentation of pomegranate MR images using spatial fuzzy c-means (SFCM) algorithm** [8285-66]
G. Moradi, M. Shamsi, M. H. Sedaaghi, Sahand Univ. of Technology (Iran, Islamic Republic of); M. R. Alsharif, Univ. of the Ryukyus (Japan)
- 8285 0O **The design of PLC circuits based on power electronics topology** [8285-71]
Q. Sun, M. Ouyang, Anhui Univ. of Science and Technology (China)
- 8285 0P **The study on interference problems in communication electronic equipment** [8285-73]
M. Zhao, Z. Zhu, Anhui Univ. of Science and Technology (China)

- 8285 0Q **Content-based image retrieval using color features of partitioned images** [8285-75]
M. Fathian, F. A. Tab, Univ. of Kurdistan (Iran, Islamic Republic of)
- 8285 0R **Flexible use and technique extension of logistics management** [8285-76]
F. Xiong, HuBei Univ. of Technology (China)
- 8285 0S **De-noising algorithm for SAR image based on enhanced contourlet transform domain**
[8285-79]
C. Lu, L. Sheng, S. Liu, Hefei Univ. of Technology (China)
- 8285 0T **An easy approach to recognize Tibetan script by geometric features** [8285-80]
W. Zhou, L. Chen, Z. Zeng, East China Normal Univ. (China)
- 8285 0U **Performance analysis of conventional CMA and RLS in single carrier LTE uplink systems**
[8285-82]
J. Reddy P, S. Kotte, G. C. Gannamaneni, K. C. Talluri, Blekinge Institute of Technology (India)
- 8285 0V **Texture compilation for example-based synthesis** [8285-85]
A. A. J., Madha Engineering College (India); J. J. Veltech Dr R.R & Dr S.R.Techical Univ. (India)
- 8285 0W **Remote sensing dynamic monitoring and driving force analysis of land use in Xinjiang regimental farm** [8285-88]
H. Yang, Q. Meng, W. Cao, X. Xu, Shi Hezi Univ. (China)
- 8285 0X **Structural damage detection in pipeline using Lamb waves and wavelet transform** [8285-92]
F. Shoeibi, A. Ebrahimi, H. B. Ghavifekr, Sahand Univ. of Technology (Iran, Islamic Republic of)
- 8285 0Y **Competitive learning based on kernel functions and quadtree for image segmentation**
[8285-98]
T. Guan, Zhengzhou Institute of Aeronautic Industry Management (China); L.-L. Li, Zhengzhou Institute of Aeronautic Industry Management (China); Y.-J. Zhang, China Mobile Ltd. (China)
- 8285 0Z **Vein matching using artificial neural network in vein authentication systems** [8285-99]
A. Noori Hoshyar, R. Sulaiman, Univ. Kebangsaan Malaysia (Malaysia)
- 8285 10 **Color based properties query for CBIR: HSV global color histogram** [8285-102]
D. Md Nor, J.-M. Ogier, F. Manani, Univ. Tun Hussein Onn Malaysia (Malaysia); M. Zarar Mohamed Jenu, Univ. de La Rochelle (Malaysia)
- 8285 11 **Optimal exposure sets for high dynamic range scenes** [8285-104]
V. Valli Kumari, Andhra Univ. (India); B. RaviKiran, K. V. S. V. N. Raju, S. A. Shajahan Basha, Anil Neerukonda Institute of Technology (India)
- 8285 12 **2D image compression using concurrent wavelet transform** [8285-105]
K. H. Talukder, K. Harada, Hiroshima Univ. (Japan)
- 8285 13 **3D fabric feature extraction and defect classification using low-cost USB camera** [8285-107]
F. Akbar, H. Akbar, N. Suryana, M. Husni, Univ. Teknikal Malaysia Melaka (Malaysia)

- 8285 14 **Study on air backflow in the goaf of working face with downward ventilation** [8285-108]
J. Gao, M. Yang, Henan Polytechnic Univ. (China) and State Key Lab. Cultivation Base for Gas Geology and Gas Control (China); F. Guo, Henan Polytechnic Univ. (China)
- 8285 15 **A selective-update affine projection algorithm with selective input vectors** [8285-109]
N. Kong, J. Shin, P. Park, Pohang Univ. of Science and Technology (Korea, Republic of)
- 8285 16 **Finger tips detection for two handed gesture recognition** [8285-110]
M. K. Bhuyan, M. K. Kar, D. R. Neog, Indian Institute of Technology (India)
- 8285 17 **Wavelet analysis and high quality JPEG2000 compression using Daubechies wavelet**
[8285-116]
A. Khalid, Nokia Siemens Networks (Pakistan); U. Afsheen, NED Univ. of Engineering and Technology (Pakistan); S. Umer Baig, Consultant (Pakistan)
- 8285 18 **Detection and analysis of solar eclipse** [8285-118]
S. S. Sarrvesh, S. Pradeep Sundar, I. Kenny Jackson, P. Kannan, Panimalar Engineering College (India)
- 8285 19 **Lip reading using neural networks** [8285-120]
D. Kalbande, A. A. Mishra, S. Patil, S. Nirgudkar, P. Patel, Sardar Patel Institute of Technology (India)
- 8285 1A **A robust blind watermarking method using quantization of distance between wavelet coefficients** [8285-121]
S. Ghofrani, M. J. Sahraee, Islamic Azad Univ. (Iran, Islamic Republic of)
- 8285 1B **A selective review on target tracking algorithms** [8285-122]
K. S. Kaawaase, F. Chi, Harbin Engineering Univ. (China)
- 8285 1C **Novel algorithm by low complexity filter on retinal vessel segmentation** [8285-123]
S. Rostampour, Islamic Azad Univ. (Iran, Islamic Republic of)
- 8285 1D **Symbolic document image compression based on pattern matching techniques** [8285-125]
C.-Y. Shiah, Y.-S. Yen, Fo Guang Univ. (Taiwan)
- 8285 1E **Automatic estimation of rock particulate size on conveyer belt using image analysis**
[8285-127]
A. Amankwah, C. Aldrich, Univ. of Stellenbosch (South Africa)
- 8285 1F **Boundary emphasis transfer function generation based on HSL color space** [8285-128]
X. Li, J. Wu, S. Luo, X. Ma, Shenzhen Institutes of Advanced Technology (China) and The Chinese Univ. of Hong Kong (China)
- 8285 1G **Partial image watermarking based on variance of neighbor pixels** [8285-129]
S. Srivapanu, T. Amornraksa, King Mongkut's Univ. of Technology Thonburi (Thailand)
- 8285 1H **Vision enhancement of line following robot using Wiener filter and morphology** [8285-130]
W. E. Elhady, October 6 Univ. (Egypt); H. A. Elnemr, Electronics Research Institute (Egypt); G. Selim, Arab Academy for Science & Technology (Egypt)

- 8285 1I **Adaptive bilateral filtering for image denoising** [8285-131]
E. Farzana, M. Tanzid, K. M. Mohsin, M. I. H. Bhuiyan, Bangladesh Univ. of Engineering and Technology (Bangladesh)
- 8285 1J **Fire flame detection using color segmentation and space-time analysis** [8285-133]
M. Ruchanurucks, P. Saengngoen, Kasetsart Univ. (Thailand); T. Sajjawiso, Chulalongkorn Univ. (Thailand)
- 8285 1K **B-spline based free form deformation thoracic non-rigid registration of CT and PET images** [8285-134]
D. Khodadad, A. Ahmadian, M. Ay, A. F. Esfahani, H. Y. Banaem, Tehran Univ. of Medical Science (Iran, Islamic Republic of); H. Zaidi, Geneva Univ. Hospital (Switzerland)
- 8285 1L **Research on improvement strategies of elite culture, mass culture and the comprehensive quality of undergraduates** [8285-135]
H. Wang, Huai'an College of Information Technology (China)
- 8285 1M **Brain tumor modeling: glioma growth and interaction with chemotherapy** [8285-140]
H. Y. Banaem, A. Ahmadian, H. Saberi, Tehran Univ. of Medical Science (Iran, Islamic Republic of); A. Daneshmehr, Univ. of Tehran (Iran, Islamic Republic of); D. Khodadad, Tehran Univ. of Medical Science (Iran, Islamic Republic of)
- 8285 1N **The establishment of shadow model based on Flash and realization of control technology** [8285-142]
J. Cai, S. Zhao, X. Yu, Beijing Univ. of Technology (China)
- 8285 1O **Research and realization of shadowgraph performance technology based on DirectX** [8285-143]
J. Cai, Q. Liu, X. Yu, Beijing Univ. of Technology (China)
- 8285 1P **A robust hierarchical video shot detection method** [8285-144]
J. Dhillon, K. Kakkirala, S. R. Chalamala, TATA Consultancy Services (India)
- 8285 1Q **Image watermarking on Gaussian low pass components ignoring edges and its neighbor pixels** [8285-145]
A. B. M. M. Morshed, T. Amornraksa, King Mongkut's Univ. of Technology Thonburi (Thailand)
- 8285 1R **Comparative study of spatial domain techniques and fuzzy intensification factor for image enhancement** [8285-146]
P. H. Bhalotra, G.H.R.C.E.M. (India); N. N. Ghuge, B. D. Shinde, M.I.T.R. (India)
- 8285 1S **Digital watermarking based on pixels modification using adaptive Gaussian filter in lab color space** [8285-148]
A. Songputtipong, T. Amornraksa, King Mongkut's Univ. of Technology Thonburi (Thailand)
- 8285 1T **An efficient iris segmentation approach** [8285-154]
A. Gomai, A. El-Zaart, H. Mathkour, King Saud Univ. (Saudi Arabia)
- 8285 1U **Sgraffito simulation through image processing** [8285-160]
R. A. Guerrero, Univ. of San Luis (Argentina); F. J. Serón Arbeloa, Univ. of Zaragoza (Spain)

- 8285 1V **Algorithm development with the integrated vision system to get the 3D location data** [8285-164]
J. Lee, M. Kim, Y. Kim, M. Park, Changwon National Univ. (Korea, Republic of)
- 8285 1W **Wyner-Ziv side information generation using a higher order piecewise trajectory temporal interpolation algorithm** [8285-167]
M. O. Akinola, L. S. Dooley, P. K. C. Wong, Open Univ. (United Kingdom)
- 8285 1X **An adaptive moving ship detection and tracking based on edge information and morphological operations** [8285-171]
N. Arshad, K.-S. Moon, J.-N. Kim, Pukyong National Univ. (Korea, Republic of)
- 8285 1Y **Obliterable of graphics and correction of skew using Hough transform for mobile captured documents** [8285-178]
H. K. Chethan, G. H. Kumar, Univ. of Mysore (India)
- 8285 1Z **A methodology for modelling and retrieving satellite images basing on spatial knowledge: application to natural risks** [8285-179]
W. Messaoudi, I. R. Farah, H. B. Ghezala, Univ. of Manouba (Tunisia); B. Solaiman, Telecom Bretagne (France)
- 8285 20 **A fast PDE algorithm using adaptive matching criterion for motion estimation** [8285-182]
J.-N. Kim, Pukyong National Univ. (Korea, Republic of)
- 8285 21 **Extraction of words from the national ID cards for automated recognition** [8285-184]
M. R. Akhter, Univ. of Liberal Arts Bangladesh (Bangladesh); M. H. Bhuiyan, Ahsanullah Univ. of Science and Technology (Bangladesh); M. S. Uddin, Jahangirnagar Univ. (Bangladesh)
- 8285 22 **Image segmentation using kernel fuzzy C-means clustering on level set method** [8285-187]
G. R. Reddy, Kakatiya Institute of Technology & Science (India); T. Saikumar, R. R. Rao, Osmania Univ. (India)
- 8285 23 **Image compression using hybrid vector quantization with DCT** [8285-188]
A. Amaar, E. M. Saad, I. Ashour, M. Elzorkany, National Telecommunication Institute (Egypt)
- 8285 24 **Activity recognition based on event probability sequence and key point detecting** [8285-189]
X. Li, Y. Yang, Sun Yat-sen Univ. (China)
- 8285 25 **Empirical study on neural network based predictive techniques for automatic number plate recognition** [8285-190]
M. S. Shashidhara, The Oxford College of Engineering (India); S. S. Indrakumar, Consona Software India Pvt. Ltd. (India)
- 8285 26 **Energy conservation using face detection** [8285-193]
N. T. Deotale, Lokmanya Tilak College of Engineering (India); D. R. Kalbande, A. A. Mishra, Sardar Patel Institute of Technology (India)
- 8285 27 **Image resolution enhancement using error estimation** [8285-194]
W.-H. Kim, J.-N. Kim, Pukyong National Univ. (Korea, Republic of)

- 8285 28 **An adaptive total variation model with local constraints for denoising partially textured images** [8285-198]
A. A. Bini, M. S. Bhat, P. Jidesh, National Institute of Technology (India)
- 8285 29 **A study on modulation and demodulation of microwave measurement signal** [8285-243]
Y. Yu, Y. Wan, Shenyang Univ. of Technology (China)
- 8285 2A **The present status and development of acoustic emission technique in diagnosis of rotating machinery faults** [8285-244]
Y. Yu, P. Yang, Shenyang Univ. of Technology (China)
- 8285 2B **Adaptive VFH** [8285-245]
I. Odriozola, E. Lazcano, B. Sierra, Univ. of the Basque Country (Spain)
- 8285 2C **Image retargeting using non-uniform scaling with adaptive local search window** [8285-246]
S. Wang, A. Abdel-Dayem, Laurentian Univ. (Canada)
- 8285 2D **A study of the key technology of IEEE802.11p-2010** [8285-247]
L. Hu, Univ. of Shanghai (China) and Leibniz Univ. Hannover (Germany); T. Kaiser, C. Kupferschmidt, H. Nguyen, Leibniz Univ. Hannover (Germany); H. Jing, Hunan Univ. (China)
- 8285 2E **A novel surveillance system for rescue and military operations** [8285-248]
Y. T. Win, M. W. Ashraf, N. Afzulpurkar, S. Tayyaba, Asian Institute of Technology (Thailand); H. T. Htun, Sercel Singapore Pte. Ltd. (Singapore); C. Punyasai, National Electronics and Computer Technology Ctr. (Thailand)
- 8285 2F **Interference of urban spatial evolution to wetland ecosystem** [8285-249]
J. Dai, B. Fan, J. Wang, Y. Wang, Changjiang River Scientific Research Institute (China)
- 8285 2G **A hybrid de-noising method based on wavelet and median filter for aero-engines gas path electrostatic monitoring** [8285-250]
Z. Wen, Zhengzhou Institute of Aeronautical Industry Management (China); X. Zhao, Zhengzhou Univ. (China)
- 8285 2H **A new video codec based on 3D-DTCWT and vector SPIHT** [8285-251]
R. Xu, H. Li, S. Xie, Northwestern Polytechnical Univ. (China)
- 8285 2I **The motion detection of video using active surface and particle swarm optimization** [8285-252]
R. Xu, H. Li, Q. Wen, Northwestern Polytechnical Univ. (China)
- 8285 2J **Detecting unintended gesture in real-time video for mental state prediction** [8285-253]
A. Hussain, N. Afzulpur, M. W. Ashraf, S. Tayyaba, Asian Institute of Technology (Thailand); A. R. Abbasi, Karachi Institute of Power Engineering (Pakistan)
- 8285 2K **Realization of ActiveX control based on ATL in VC 2008** [8285-254]
S. Li, Y. Tie, Inner Mongolia Univ. (China)
- 8285 2L **A traffic accident scene swift reconnaissance system of vision** [8285-255]
Z. Xu, X. Xu, Z. Yu, Civil Aviation Univ. of China (China)

- 8285 2M **The fault diagnosis of large-scale wind turbine based on expert system** [8285-256]
C. Chen, Y. Li, Shenyang Univ. of Technology (China)
- 8285 2N **Research on fuzzy robust adaptive unscented particle filtering** [8285-257]
Y. Gao, S. Gao, Northwestern Polytechnical Univ. (China)
- 8285 2O **Risk evaluation of highway engineering project based on the fuzzy-AHP** [8285-258]
Q. Yang, Shijiazhuang Tiedao Univ. (China); Y. Wei, North China Electric Power Univ. (China)
- 8285 2P **Study on project schedule management based on comprehensive comparison methods**
[8285-259]
J. Ge, Shijiazhuang Tiedao Univ. (China)
- 8285 2Q **Research on the frequency hopping bistatic sonar system** [8285-260]
G. Liang, Y. Zhang, G. Zhang, K. Liu, Harbin Engineering Univ. (China)
- 8285 2R **Photoplethysmogram reflection index and aging** [8285-261]
Y. K. Qawqzeh, M. B. I. Reaz, O. Maskon, K. Chellappan, M. A. M. Ali, Univ. Kebangsaan Malaysia (Malaysia)
- 8285 2S **Hardware accelerator design for tracking in smart camera** [8285-262]
S. Singh, S. M. Dunga, R. Saini, A. S. Mandal, C. Shekhar, Central Electronics Engineering Research Institute (India); A. Vohra, Kurukshetra Univ. (India)

Part Two

- 8285 2T **Hardware accelerator design for change detection in smart camera** [8285-263]
S. Singh, S. M. Dunga, R. Saini, A. S. Mandal, C. Shekhar, Central Electronics Engineering Research Institute (India); S. Chaudhury, Indian Institute of Technology Delhi (India); A. Vohra, Kurukshetra Univ. (India)
- 8285 2U **Large-scale MOSFET and interconnect circuit simulation using iterated timing analysis and transmission line time step control** [8285-264]
C.-J. Chen, Chinese Culture Univ. (Taiwan)
- 8285 2V **Incremental circuit simulation for MOSFET circuits by using iterated timing analysis algorithm**
[8285-265]
C.-J. Chen, Chinese Culture Univ. (Taiwan)
- 8285 2W **Duplication-remove algorithm of image based on EZW-based matrix bloom filter** [8285-266]
Y. Che, X. Fei, B. Hu, Sichuan Univ. (China)
- 8285 2X **An efficient approach to crack detecting based on matched filtering** [8285-267]
X. Xie, Y. Wang, NAAU (China)
- 8285 2Y **Null broadening for multistage nested Wiener filter on the joint space-time GPS receiver**
[8285-268]
D. Xu, S. Wu, G. Yu, Beijing Institute of Technology (China)

- 8285 27 **Study on the mobile-internet-oriented streaming media technology** [8285-269]
S. Fu, S. Gong, Z. Chen, Ningbo Univ. (China)
- 8285 30 **The study of the developing model of the rural timeshare tourism** [8285-270]
Z. Xu, B. Tang, Zhejiang Univ. of Technology (China)
- 8285 31 **Objective quality assessment of HD video based on compressed domain** [8285-271]
R. Song, X. Jiang, H. Shi, Communication Univ. of China (China)
- 8285 32 **Brain tumor segmentation in 3D MRIs using an improved Markov random field model** [8285-272]
S. Yousefi, R. Azmi, M. Zaheidi, Shahrood Univ. of Technology (Iran, Islamic Republic of)
- 8285 33 **A real-time receive method of wideband radar based on subband pulse compression** [8285-273]
M. Li, W. Fu, P. Zhang, Y. Wu, Xidian Univ. (China)
- 8285 34 **A high efficient range ambiguity resolution algorithm for PD radar base on one-dimensional set** [8285-274]
M. Li, M. Li, L. Zuo, Xidian Univ. (China)
- 8285 35 **The research of .NET framework based on delegate of the LCE** [8285-275]
Y. Chen, Changsha Commerce & Tourism College (China)
- 8285 36 **A new chirp scaling algorithm of bistatic SAR with parallel flight paths** [8285-276]
N. Li, L. Wang, National Univ. of Defense Technology (China)
- 8285 37 **A hybrid propagation model using the detailed irregularities terrain profile data** [8285-277]
X. Wang, Imperial College London (United Kingdom); J. Hao, Univ. of Bristol (United Kingdom)
- 8285 38 **Study on information strategic planning for large and medium-sized enterprise** [8285-279]
M. Chen, S. Tan, Hunan Industry Polytechnic (China)
- 8285 39 **Two novel methods for juxta-pleural nodule segmentation based on CT images** [8285-280]
S. Qi, G. Si, H. van Triest, Northeastern Univ. (China); Y. Yue, Shengjing Hospital of China Medical Univ. (China)
- 8285 3A **Simulation optimization as a method for lot size determination** [8285-281]
P. Važan, O. Moravčík, D. Jurovatá, A. Juráková, Slovak Univ. of Technology (Slovakia)
- 8285 3B **Survey of business process simulation tools: a comparative approach** [8285-282]
I. Imam, N. Nounou, A. Hamouda, H. A. Abdul Khalek, Arab Academy for Science, Technology & Maritime Transport (Egypt)
- 8285 3C **An optimal setup planning selection approach in a complex product machining process** [8285-283]
F. Zhu, Wuhan Univ. of Technology (China)

- 8285 3D **Developing and promoting OKP production system: a JIT production planning approach** [8285-284]
M. Samavati, Tabriz Univ. (Iran, Islamic Republic of)
- 8285 3E **Integrating analytic hierarchy process with integer programming to efficiently model spectrum demands** [8285-285]
R. Ramli, F. Jamaluddin, E. M. N. E. A. Bakar, Univ. Utara Malaysia (Malaysia); M. Y. Alias, Multimedia Univ. (Malaysia); N. I. Mahat, M. Z. Abdul Karim, A. C. Leng, Univ. Utara Malaysia (Malaysia)
- 8285 3F **Evaluation on color spaces and distance measures for color histogram-based image retrieval** [8285-286]
X. Zhao, Y. Chen, Tsinghua Univ. (China)
- 8285 3G **Operations dashboard: comparative study** [8285-287]
N. N. Ramly, A. Z. Ismail, M. H. Aziz, N. H. Ahmad, MIMOS Berhad (Malaysia)
- 8285 3H **Modeling and analysis of web portals performance** [8285-288]
R. Abdul Rahim, H. Ibrahim, S. S. Syed Yahaya, Univ. Utara Malaysia (Malaysia); K. Khalid, Management Science Univ. (Malaysia)
- 8285 3I **Enhancing the (MSLDIP) image steganographic method (ESLDIP method)** [8285-289]
A.-H. Seddik Saad, The Higher Institute for Engineering and Technology (Egypt)
- 8285 3J **Output-feedback MRAC of networked control systems with network-induced delay** [8285-290]
A. H. Tahoun, Tanta Univ. (Egypt)
- 8285 3K **Blotch removal for old movie restoration using epitome analysis** [8285-291]
A. M. Rashwan, Cairo Univ. (Egypt) and The Engineering Co. for the Development of Computer Systems (Egypt)
- 8285 3L **Application of Choquet integral in solving multi-attribute decision making problems** [8285-293]
A. R. Krishnan, M. Mat Kasim, E. M. N. Engku Abu Bakar, Univ. Utara Malaysia (Malaysia)
- 8285 3M **Modeling and optimization of an elastic arthroplastic disc for a degenerated disc** [8285-294]
A. Ghouchani, Amirkabir Univ. of Technology (Iran, Islamic Republic of); M. Ravari, Islamic Azad Univ. (Iran, Islamic Republic of); F. Mahmoudi, Amirkabir Univ. of Technology (Iran, Islamic Republic of)
- 8285 3N **Identifying faces based on three-dimensional geometrical properties from a single 2D line drawing** [8285-295]
X. Du, L. Yi, Shandong Univ. of Science and Technology (China)
- 8285 3O **Stereo vision-based obstacle detection using dense disparity map** [8285-296]
C.-H. Lee, Y.-C. Lim, S. Kwon, J. Kim, Daegu Gyeongbuk Institute of Science & Technology (Korea, Republic of)

- 8285 3P **A new method of cardiographic image segmentation based on grammar** [8285-297]
 S. Hamdi, National Engineering School of Sfax (Tunisia); A. Ben Abdallah, M. H. Bedoui, Faculty of Medicine of Monastir (Tunisia); A. M. Alimi, National Engineering School of Sfax (Tunisia)
- 8285 3Q **Oil fuel delivery optimization for multi product and multi depot: the case of petrol station replenishment problem (PSRP)** [8285-298]
 I. Surjandari, A. Rachman, F. Dianawati, Univ. of Indonesia (Indonesia); R. P. Wibowo, PT Pertamina (Indonesia)
- 8285 3R **A new color space to discriminate skin regions using fuzzy quadratic programming** [8285-299]
 A. Mazaherie, Tarbiat Modares Univ. (Iran, Islamic Republic of); S. Mirghasemi, M. Lotfizad, Islamic Azad Univ. (Iran, Islamic Republic of)
- 8285 3S **Automatic image registration algorithm based on improved Harris corner detection** [8285-301]
 T. Zhang, Y. Mei, Beijing Institute of Technology (China)
- 8285 3T **Region grow approach to detect anomalous shapes of spread of cell transformations from radiological images** [8285-302]
 T. R. G. Nair, Dayananda Sagar College of Engineering (India); R. Sharma, The Oxford College of Engineering (India)
- 8285 3U **Strategic network design of Java Island fuel supply with production-transportation solution** [8285-303]
 F. Dianawati, Farizal, I. Surjandarim, R. Marzuli, Univ. of Indonesia (Indonesia)
- 8285 3V **Modeling and optimization of cylindrical wire electro discharge machining of AISI D3 tool steel using non-dominated sorting genetic algorithm** [8285-304]
 A. Golshan, Isfahan Univ. of Technology (Iran, Islamic Republic of); S. Gohari, A. Ayob, Univ. Teknologi Malaysia (Malaysia)
- 8285 3W **Human age estimation using extended Gabor like-features** [8285-305]
 M. Y. El Dib, B. S. Abou Zaid, Cairo Univ. (Egypt)
- 8285 3X **Blurriness measurement in frequency domain for image quality assessment** [8285-306]
 Q. M. Tahir, Univ. of Essex (United Kingdom); M. S. Noman, A. Tahir, Sir Syed Univ. of Engineering & Technology (Pakistan)
- 8285 3Y **A novel FFT/IFFT based peak-to-average power reduction method for OFDM communication systems using tone reservation** [8285-11]
 S. O. Besong, X. Yu, B. Li, Hunan Univ. (China); W. Hou, Univ. of Shenzhen (China); X. Wang, The 3rd Research Institute Academy of Air Force Equipments (China)
- 8285 3Z **A time-frequency algorithm for noisy BSS model** [8285-34]
 J. Guo, Southwest Univ. Chongqing (China); X.-P. Zeng, Chongqing Univ. (China)

- 8285 40 **Construction of sequences with three-valued zero correlation zone for multi-carrier CDMA systems** [8285-36]
 Z. Zhang, Chongqing Univ. (China) and Chongqing Communication Institute (China);
 F. Zeng, H. Pu, G. Xuan, Chongqing Communication Institute (China)
- 8285 41 **An efficient and effective video similarity search method** [8285-37]
 L. Zhu, Anhui Electric Power Jiyuan Software Co. Ltd. (China); Z. Li, Z. Cao, The Key Lab. of Network Communication System & Control (China)
- 8285 42 **Application of penalized least-squares algorithm in PET image reconstruction based a nonlocal quadratic prior** [8285-38]
 Z. Gui, J. He, X. Ma, North Univ. of China (China)
- 8285 43 **Low bit-rate image compression via discrete wavelet transform and classified vector quantization** [8285-39]
 H. Guo, B. Zhao, Beijing Institute of Technology (China)
- 8285 44 **Improved demodulator for deep space communication** [8285-40]
 X. Pan, Beijing Institute of Technology (China); X. Li, Beijing Research Institute of Telemetry (China)
- 8285 45 **A DSP implementation of lifting based DWT for image processing applications** [8285-41]
 M. Gholipour, Univ. of Tehran (Iran, Islamic Republic of); H. A. Noubari, Univ. of British Columbia (Canada); M. Kamarei, Univ. of Tehran (Iran, Islamic Republic of)
- 8285 46 **Study on sparse blinding separation based on the linear detection and STFT** [8285-42]
 H. Yang, X. Wang, Anhui Polytechnic Univ. (China)
- 8285 47 **Biomedical image and signal de-noising using dual tree complex wavelet transform** [8285-46]
 F. Y. Rizi, H. A. Noubari, S. K. Setarehdan, Univ. of Tehran (Iran, Islamic Republic of)
- 8285 48 **A hybrid table look-up method for H.264/AVC coeff_token decoding** [8285-49]
 S. Liu, Y. Zhang, M. Lu, B. Tang, Xiamen Univ. (China)
- 8285 49 **A note on mixture bivariate model** [8285-50]
 H. Cao, W. Tian, C. Deng, Nanchang Institute of Technology (China)
- 8285 4A **Simple and efficient remote sensing image transformation for lossless compression** [8285-51]
 F. Sepehrband, Sharif Univ. of Technology (Iran, Islamic Republic of); P. Ghamisi, K.N.Toosi Univ. of Technology (Iran, Islamic Republic of); M. Mortazavi, J. Choupan, Sharif Univ. of Technology (Iran, Islamic Republic of)
- 8285 4B **Data-aided Doppler shift estimation for TD-SCDMA system over Rician** [8285-52]
 J. Wang, J. Teng, Y. Cui, Tianjin Univ. (China); X. Ma, Tianjin Univ. of Technology (China)
- 8285 4C **Quality of Arabic utterances transformed using different residual prediction techniques** [8285-53]
 R. Elmanfalaty, N. Korany, E.-S. A. Youssef, Alexandria Univ. (Egypt)

- 8285 4D **DICOM restoration based on Wiener filtering tight framelet algorithm** [8285-54]
Y. Jiang, J. Zhang, Guilin Univ. of Electronic Technology (China)
- 8285 4E **Frequency offset estimation in OFDM systems using Bayesian filtering** [8285-55]
Y. Yu, School of Science Beijing Univ. of Posts and Telecommunications (China)
- 8285 4F **Static hand gesture recognition from a video** [8285-56]
R. S. Rokade, D. Doye, SGGS Institute of Engineering and Technology (India)
- 8285 4G **Adaptive rate selection scheme for video transmission to resolve IEEE 802.11 performance anomaly** [8285-57]
G. Tang, X. Zhu, Nanjing Univ. of Posts and Telecommunications (China)
- 8285 4H **Melancholia EEG classification based on CSSD and SVM** [8285-58]
J.-J. Shi, Q.-W. Yuan, Hunan Vocational College of Railway Technology (China); L.-W. Zhou, Hunan Univ. (China)
- 8285 4I **Application of EMD of well-logging data on demarcating stratigraphic sequence** [8285-59]
L. Yan, Z. Liu, S. Fang, Jilin Univ. (China)
- 8285 4J **A novel method for host risk assessment based on predecessor attack** [8285-60]
X. Zhang, L. Huang, C. Xu, T. Chen, Univ. of Electronic Science and Technology of China (China)
- 8285 4K **Non-invasive monitoring method for thermal ablation therapy based on UBE** [8285-61]
J.-J. Shi, Q.-W. Yuan, Hunan Vocational College of Railway Technology (China); L.-W. Zhou, Hunan Univ. (China)
- 8285 4L **Realization of the imaging-auto-focus on the APRC using splicing-CCD** [8285-62]
Z. Lu, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); Y. Guo, X. Xue, T. Ma, H. Lv, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 8285 4M **The portable smog analyzed instrument based on the arm** [8285-67]
X.-H. Su, C. Li, S.-P. Xu, Xi'an Technological Univ. (China)
- 8285 4N **Time-domain compact range measurement system for radar targets** [8285-68]
G. Li, J. Liu, P. Liu, J. He, National Univ. of Defense Technology (China)
- 8285 4O **Design and optimization of an X-band waveguide aperture antenna** [8285-69]
G. Li, Z. Lu, H. Wang, J. He, National Univ. of Defense Technology (China)
- 8285 4P **Gaussian mass optimization for kernel PCA parameters** [8285-70]
Y. Liu, Z. Wang, Beihang Univ. (China)
- 8285 4Q **Quantitative approach in treatment of tinnitus by acoustical stimulation** [8285-72]
M. Banimostafa, H. Sadjedi, Science and Research Univ. (Iran, Islamic Republic of)
- 8285 4R **Image inpainting using cubic hermit spline** [8285-74]
M. S. Farid, H. Khan, A. Mahmood, Univ. of the Punjab (Pakistan)

- 8285 4S **Optimization of parameters for cooperative spectrum sensing in cognitive radio networks** [8285-77]
Q. Sun, N. Hu, Z. Ye, Univ. of Science and Technology of China (China)
- 8285 4T **Discrete Walsh Hadamard transform based visible watermarking technique for digital color images** [8285-78]
V. Santhi, A. Thangavelu, VIT Univ. Vellore (India)
- 8285 4U **A simulator for depicting and comparing adaptive algorithms in signal processing** [8285-81]
S. Maddala, Blekinge Institute of Technology (India); S. Kumar Reddy B, Nalanda Institute of Engineering and Technology Kantepudi (India)
- 8285 4V **Pilot-aided channel estimation in cooperative SFBC-OFDM networks** [8285-83]
M. A. B. Othman, M. H. Ismail, M. S. El-Soudani, Cairo Univ. (Egypt)
- 8285 4W **Algorithm for symbol rate estimation of MFSK** [8285-84]
J. Xu, F. Wang, Z. Wang, Tsinghua Univ. (China)
- 8285 4X **A new method of comb spectrum signal generating based on Morlet wavelet** [8285-86]
M. Wang, B. Bai, X. Zeng, Nanjing Telecommunication Technology Institute (China)
- 8285 4Y **A study of speech emotion recognition based on hybrid algorithm** [8285-87]
J. Zhu, C. Zhang, Z. Lv, Y. Rao, X. Wu, Anhui Univ. (China)
- 8285 4Z **Automatic face detection and tracking based on Adaboost with camshift algorithm** [8285-89]
H. Lin, J. Long, Hunan Univ. (China)
- 8285 50 **An improved method of monopulse estimation in PD radar** [8285-90]
J. Wang, P. Guo, P. Lei, S. Wei, Beihang Univ. (China)
- 8285 51 **Using OSL-SVM for the concentration prediction of 4-CBA** [8285-91]
Y. Fan, Kunming Univ. of Science and Technology (China); H. Wang, Kunming Univ. of Science and Technology (China) and Ministry of Education (China); J. Wu, Kunming Univ. of Science and Technology (China)
- 8285 52 **A new CFAR detector based on PDF estimation of clutter using maximum entropy method** [8285-93]
J. Li, X. Wang, T. Wang, National Univ. of Defense Technology (China)
- 8285 53 **Research of SoPC-based improved genetic algorithm on shortest path** [8285-94]
H. Ruan, A. Ren, M. Meng, W. Zhao, M. Luo, Xidian Univ. (China)
- 8285 54 **An analysis and algorithm for unknown altitude source geo-location using TDOA measurements in the presence of receiver location errors** [8285-95]
H. Wu, H. Xiong, J. Peng, National Univ. of Defense Technology (China)
- 8285 55 **ISAR range alignment methods based on statistical property of range profile** [8285-96]
Y. Lin, W. Chen, Z. Yin, Y. Yang, Univ. of Science and Technology of China (China)

- 8285 5 **Realization complexity of a Viterbi decoder for a partial response equalized magnetic channel** [8285-97]
J.-S. Hsiao, Lee-Ming Institute of Technology (Taiwan); H.-H. Ku, Hwa-Hsia Institute of Technology (Taiwan); C.-H. Chen, China Univ. of Technology (Taiwan); T.-S. Kao, Hwa-Hsia Institute of Technology (Taiwan)
- 8285 57 **Genetic algorithm for feature selection of MR brain images using wavelet co-occurrence** [8285-100]
A. Kharat, Univ. of Sfax (Tunisia); N. Benamrane, Vision and Medical Imagery Lab. (Algeria); M. B. Messaoud, M. Abid, Univ. of Sfax (Tunisia)
- 8285 58 **Analysis of orthogonal waveform for spaceborne MIMO-GMTI radar** [8285-101]
B. Zou, Z. Dong, X. Du, National Univ. of Defense Technology (China)
- 8285 59 **A modify SSB full-duplex millimeter-wave radio-over-fiber system based on multiplication technology** [8285-103]
L. Zhang, X. Chen, R. Li, M. Bai, Communication Univ. of China (China)
- 8285 5A **Theoretical analysis and emulational experiment of modal dispersion in radio over multimode fiber links based on optical frequency multiplication** [8285-106]
X. Chen, M. Bai, R. Li, L. Zhang, Communication Univ. of China (China)
- 8285 5B **Adaptive impulsive noise suppression for ISDB-T receivers** [8285-111]
Z. Ma, R. Miyamoto, M. Okada, Nara Institute of Science and Technology (Japan)
- 8285 5C **A novel speech watermarking algorithm by line spectrum pair modification** [8285-112]
Q. Zhang, S. Yang, G. Chen, Xi'an Communications Institute Xi'an (China); J. Zhou, Army Aviation Research Institute (China)
- 8285 5D **A robust MVDR beamforming based on covariance matrix reconstruction** [8285-113]
P. Mu, D. Li, Q. Yin, Xi'an Jiaotong Univ. (China)
- 8285 5E **A physical layer secure wireless communication method using random antenna switching** [8285-114]
P. Mu, Q. Yin, Xi'an Jiaotong Univ. (China)

Part Three

- 8285 5F **Comparison study between dyadic wavelet transform and modified higher order moment** [8285-115]
J. Choupan, S. Ghorshi, M. Mortazavi, F. Sepehrband, Sharif Univ. of Technology (Iran, Islamic Republic of)
- 8285 5G **A modify ant colony optimization for the grid jobs scheduling problem with QoS requirements** [8285-117]
X. Pu, Univ. of Electronic Science and Technology of China (China) and Southwest Univ. (China); X. Lu, Univ. of Electronic Science and Technology of China (China)

- 8285 5H **Strategy for incumbent wireline operator: customers' provision of broadband wireless access** [8285-119]
N. A. Khan, K. Kan, A. W. Tareen, Beijing Univ.of Posts and Telecommunications (China)
- 8285 5I **Cognitive routing system for mobile ad hoc networks** [8285-124]
A. Ali, H. Wang, G. Feng, Harbin Engineering Univ. (China)
- 8285 5J **InSAR DEM error modeling and calibration** [8285-126]
Y. Zhang, H. Huang, Y. Zhang, D. Liang, National Univ. of Defense Technology (China)
- 8285 5K **A VLSI architecture for real-time signal FFT based on pipelined processing element** [8285-132]
X. Wang, Y. Zhang, J. Wang, Harbin Institute of Technology (China)
- 8285 5L **Estimation of base station position using timing advance measurements** [8285-137]
M. Raitoharju, S. Ali-Löytty, Tampere Univ. of Technology (Finland); L. Wirola, Nokia Inc. (United States)
- 8285 5M **Cover song identification by sequence alignment algorithms** [8285-138]
C.-L. Wang, Q. Zhong, Univ. of California, Los Angeles (United States); S.-Y. Wang, NHCUE (Taiwan); V. Roychowdhury, Univ. of California, Los Angeles (United States)
- 8285 5N **SCOPES: steganography with compression using permutation search** [8285-139]
S. Boorboor, Islamic Azad Univ. (Iran, Islamic Republic of); B. Zolfaghari, S. P. Mozafari, AmirKabir Univ. of Technology (Iran, Islamic Republic of)
- 8285 5O **A fast InSAR raw signal simulation based on GPGPU** [8285-141]
Z. He, A. Yu, F. He, D. Liang, National Univ. of Defense Technology (China)
- 8285 5P **Fusion of panchromatic and multispectral images using B-spline tight frame** [8285-147]
X. Gao, Beijing Institute of Technology (China); B. Li, Xiangtan Univ. (China)
- 8285 5Q **Research of web text fuzzy classification algorithm based on fuzzy comprehensive weighted evaluation reasoning** [8285-149]
D. Li, X. Dai, Hunan Agricultural Univ. (China)
- 8285 5R **On spectral aliasing of the fan-chirp transform** [8285-150]
H. Wu, Soochow Univ. (China)
- 8285 5S **Scheduling schemes for two-user two-way wireless relay networks** [8285-151]
Z. Fang, G. Li, Zhejiang Wanli Univ. (China); X. Zhou, Fudan Univ. (China)
- 8285 5T **A low-complexity method to generate delay power profile in wideband high frequency channel simulator** [8285-152]
Y. Liu, J. Chen, Y. Zhang, The PLA Univ. of Science and Technology (China)
- 8285 5U **Locally optimum detector for MIMO radar in non-Gaussian clutter** [8285-153]
X. Zhu, S. Wang, Wuhan Radar Institute (China)

- 8285 5V **Threshold setting model for the set partitioning in hierarchical trees (SPIHT) for audio** [8285-155]
S. V. Sondur, National Institute of Technology Karnataka (India)
- 8285 5W **Realization of multi-layer occlusion algorithm in augmented reality** [8285-156]
J. Zhang, Renmin Univ. of China (China)
- 8285 5X **Generalization of RF power amplifiers' behavioral model using memory polynomial/Volterra series** [8285-157]
H. Wang, G.-S. Li, P.-G. Liu, National Univ. of Defense Technology (China)
- 8285 5Y **Research on information of electric field in lightning warning based on empirical mode decomposition** [8285-158]
B. Wang, Y. Jiang, X. Zhao, Chengdu Univ. of Information Technology (China)
- 8285 5Z **Reconstruction of the plenacoustic function using compressive sampling** [8285-159]
H. Xia, R. Ying, L. Zhou, Shanghai Jiao Tong Univ. (China)
- 8285 60 **A self-training listwise method for learning to rank with partially labeled data** [8285-161]
H. He, Changsha Univ. (China)
- 8285 61 **Blind separation of multi-Gaussian sources using B-distribution** [8285-162]
J. Guo, Southwest Univ. (China) and Chongqing Univ. (China); Y. Deng, Southwest Univ. (China)
- 8285 62 **Study of algorithms for selecting effective network traffic monitors based on cover ratio** [8285-163]
G. Chen, Y. Yang, Henan Key Lab. of Information Security (China)
- 8285 63 **MPEG-4 video compression optimization research** [8285-165]
X. Wei, Weifang Univ. (China)
- 8285 64 **RSA cipher algorithm improvements and VC programming realization** [8285-166]
X. Wei, Weifang Univ. (China)
- 8285 65 **A humming retrieval system based on music fingerprint** [8285-168]
X. Han, B. Cao, Harbin Institute of Technology (China)
- 8285 66 **Intelligent card processing terminal of urban rail transit in Nanjing** [8285-169]
D. Xia, Panda Electronics Group Co. (China); X. Zhang, Y. Song, T. He, Southeast Univ. (China)
- 8285 67 **Improved MFCC algorithm in speaker recognition system** [8285-170]
Y. Shi, L. Wang, Guizhou Univ. (China)
- 8285 68 **Decryption-decompression of AES protected ZIP files on GPUs** [8285-172]
T. N. Duong, P. H. Pham, D. H. Nguyen, T. T. Nguyen, H. D. Le, Hanoi Univ. of Technology (Viet Nam)

- 8285 69 **Premature ventricular contraction (PVC) classifications by probabilistic neural network (PNN) using the optimal mother wavelets** [8285-173]
N. A. b. Amir Hamzah, R. b. Besar, N. Z. b. Abdul Rahman, Multimedia Univ. (Malaysia)
- 8285 6A **Synchronization of chaotic signals using sliding mode control method** [8285-174]
X. Li, J. Gu, Y. Wang, T. Zhao, Northwestern Polytechnical Univ. (China)
- 8285 6B **Temporally consistent depth map estimation based on 3D-MRF** [8285-175]
L. Yao, D. Li, M. Zhang, Zhejiang Univ. (China) and Zhejiang Provincial Key Lab. of Information Network Technology (China)
- 8285 6C **Recognition of faces using texture-based principal component analysis and Grassmannian distances analysis** [8285-176]
B. Ma, H. Zhang, Xidian Univ. (China)
- 8285 6D **Study on the initial value for the exterior orientation of the mobile version** [8285-177]
Z. Yu, S. Li, Civil Aviation Univ. of China (China)
- 8285 6E **Combination of fractional Brownian random field and lacunarity for iris recognition** [8285-180]
K. Liu, W. Zhou, Y. Wang, Shandong Univ. (China)
- 8285 6F **New method of SOC clock design based on hierarchical mode** [8285-181]
D. Wang, Wuhan Institute of Technology (China)
- 8285 6G **Side-lobe interference suppression for DFT filter banks based on improved GSC** [8285-183]
G. Li, T. Li, C. Lu, Naval Aeronautics and Astronautics Univ. (China)
- 8285 6H **Automobile GPS gyro INS enhancement** [8285-185]
R. Chen, O2Micro, Co. Ltd. (China)
- 8285 6I **Howling canceling for high gain speakerphone systems exploiting the loudspeaker redundancy** [8285-186]
J. Zhang, Q. Yin, P. Mu, T. Song, W. Wang, J. Wu, Xi'an Jiaotong Univ. (China)
- 8285 6J **E-field probe based on fiber transmission** [8285-191]
C. Fang, J. Lin, G. Zhu, Communication Univ. of China (China)
- 8285 6K **Enhance cognitive radar security by designing optimal waveform** [8285-192]
S. Wang, J. Wang, Tsinghua Univ. (China); J. Chen, Univ. of California, Los Angeles (United States); X. Shan, Tsinghua Univ. (China)
- 8285 6L **Spectrum analysis of speech recognition via discrete Tchebichef transform** [8285-195]
F. Ernawan, Univ. Dian Nuswantoro (Indonesia); N. A. Abu, N. Suryana, Univ. Teknikal Malaysia (Malaysia)
- 8285 6M **Research of three level match method about semantic web service based on ontology** [8285-196]
J. Xiao, F. Cai, Changsha Univ. (China)

- 8285 6N **The training measure and empirical study on using the product design theory to analyze the college students' employed ability** [8285-197]
Z. Bai, W. Liu, H. Shan, H. Bi, Hebei Univ. of Technology (China)
- 8285 6O **An accelerated random coordinate descent algorithm for compressed sensing** [8285-199]
D. Chen, N. Zhang, Wuhan Univ. of Science and Technology (China)
- 8285 6P **B-spline design of digital FIR filter using evolutionary computation techniques** [8285-200]
M. Swain, Silicon Institute of Technology (India); R. Panda, VSSUT (India)
- 8285 6Q **A segmentation algorithm of intracranial hemorrhage CT image** [8285-201]
H. Wang, Z. Chen, J. Wang, Mudanjiang Medical Univ. (China)
- 8285 6R **Improved DUET for underdetermined blind source separation** [8285-202]
F. Gao, G. Sun, South China Univ. of Technology (China); M. Xiao, South China Univ. of Technology (China) and Guangdong Univ. of Petrochemical Technology (China)
- 8285 6S **Comparison of IK, SISIM and SNESIM in reconstructing 2D porous media** [8285-203]
Y. Wang, J. Liu, Zhejiang Univ. of Media and Communications (China); T. Zhang, Science and Technology on Information Systems Engineering Lab. (China)
- 8285 6T **A new chaotic system and its chaotic control** [8285-204]
H. Zhu, Huaiyin Institute of Technology (China)
- 8285 6U **Underdetermined blind source separation based on fuzzy C-means clustering and sparse representation** [8285-205]
C. Zhang, C. Zheng, Harbin Engineering Univ. (China)
- 8285 6V **An improved method of video text detection** [8285-206]
H. Liu, Hebei Univ. (China); W. Yuan, Hebei Godsend High-Tech Co., Ltd. (China)
- 8285 6W **Variable step-size multi-modulus algorithm with quantized error method** [8285-207]
J. Zhou, P. Liu, Academy of Opto-Electronics, Graduate Univ. (China); S. Cao, S. Zhang, Beijing Trans-Universe Space Technology Co., Ltd. (China)
- 8285 6X **Rapid testing and identification of actuator using dSPACE real-time emulator** [8285-208]
D. Xie, Z. Wang, Q. Zeng, National Univ. of Defense Technology (China)
- 8285 6Y **Several small-scale vector array performance analysis and simulation of DOA estimation** [8285-209]
Y. Mei, North Univ. of China (China)
- 8285 6Z **Automatic video mosaicing using hierarchical compositing** [8285-210]
S. A. Hoseini, S. Jafari, Shiraz Univ. (Iran, Islamic Republic of)
- 8285 70 **Image denoising using Bayesian shrink threshold based on weighted adaptive directional lifting wavelet transform** [8285-211]
Q. Liu, L. Ni, Univ. of Science and Technology of China (China)

- 8285 71 **A fingerprint inpainting technique using improved partial differential equation methods** [8285-212]
X. Yang, D. Wang, Z. Yang, Harbin Engineering Univ. (China)
- 8285 72 **Edge detection based on genetic algorithm and sobel operator in image** [8285-213]
X. Tong, A. Ren, H. Zhang, H. Ruan, M. Luo, Xidian Univ. (China)
- 8285 73 **A multiple channel assignment algorithm and routing protocol base on wireless mesh networks** [8285-214]
X. Shi, N. Li, Wuhan Univ. (China)
- 8285 74 **L-shaped 2D DOA estimation using blind source separation** [8285-215]
Z. H. Hu, F. He, J. B. Zhu, National Univ. of Defense Technology (China)
- 8285 75 **Image super-resolution based on compressive sensing** [8285-216]
Y. Gu, X. Zhu, Nanjing Univ. of Posts and Telecommunications (China)
- 8285 76 **The assessment of SDH optical transmission equipment based on analytic hierarchy process** [8285-217]
S. Hu, F. Qi, Beijing Univ. of Posts and Telecommunications (China)
- 8285 77 **Denoising ECG signal based on ensemble empirical mode decomposition** [8285-218]
Z. Zhao, J. Liu, S. Wang, Hangzhou Dianzi Univ. (China)
- 8285 78 **Differential evolution based on hybrid crossover operators** [8285-219]
L. Yang, Wuhan Polytechnic Univ. (China); L. Zhou, M. Yu, Wuhan Univ. of Technology (China)
- 8285 79 **A novel BP neural network for forecasting agriculture water consumption** [8285-220]
L. Yang, L. Zhou, Wuhan Polytechnic Univ. (China)
- 8285 7A **Study on the rail-broken state of centre-fed boundless track circuits** [8285-221]
Y. Zhang, J. Dang, Lanzhou Jiaotong Univ. (China)
- 8285 7B **An improved channel estimation for OFDM transmit systems** [8285-222]
Z. Ji, Wenzhou Vocational and Technical College (China)
- 8285 7C **Cyclic spectrum based carrier recovery for OQPSK** [8285-223]
H. Peng, J. Li, Institute of Information Science and Technology (China)
- 8285 7D **Prominent point InSAR phase filter** [8285-224]
H. Wei, H. Huang, Z. Dong, J. Zhu, National Univ. of Defense Technology (China)
- 8285 7E **Application of wavelets and fractal-based methods for detection of microcalcification in mammograms: a comparative analysis using neural network** [8285-225]
A. S. Noodeh, H. A. Noubari, A. M. Dehnavi, H. Rabbani, Univ. of Tehran (Iran, Islamic Republic of)
- 8285 7F **A modified time-frequency filtering method based on generalized S transform** [8285-226]
C. Zhang, Y. Yang, Harbin Engineering Univ. (China)

- 8285 7G **The application of wavelet analysis in the signal processing** [8285-227]
R. Li, TaiYuan Univ. of Technology (China); B. Cui, North Univ. of China (China)
- 8285 7H **On stereo correspondence estimation: a spiral search algorithm** [8285-228]
M. A. Mannan Mondal, National Univ. of Bangladesh (Bangladesh); M. H. Ali, Univ. of Dhaka (Bangladesh)
- 8285 7I **The study of vehicle detection and identification in intelligent transportation system**
[8285-229]
F. Lv, D. Han, Inner Mongolia Univ. of Technology (China)
- 8285 7J **Multi-sensors data fusion algorithm of improved Dempster-Shafer evidence reasoning**
[8285-230]
M. Wang, M. Zhu, S. Yu, Central South Univ. of Forestry and Technology (China)
- 8285 7K **Facial classification using artificial neural network techniques** [8285-231]
A. J. Nor'aini, Z. Fatimah, R. Norzilah, Univ. Teknologi MARA (Malaysia)
- 8285 7L **H_—/H[∞] fault detection observer for linear parameter varying systems** [8285-232]
L. Liu, Beijing Information Science & Technology Univ. (China); X. Wei, Beijing Jiaotong Univ. (China)
- 8285 7M **An improved image fusion approach** [8285-233]
Z. Kou, K. Liu, PLA Univ. of Science and Technology (China)
- 8285 7N **Disparity estimation by reverse fuzzyfication** [8285-234]
M. A. Mannan Mondal, National Univ. of Bangladesh (Bangladesh); M. H. Ali, Univ. of Dhaka (Bangladesh)
- 8285 7O **The application of dummy noise adaptive Kalman filter in underwater navigation** [8285-235]
S. Li, C.-H. Zhang, J. Luan, Navy Academy of Armament (China)
- 8285 7P **Research on synchronization technique of the DRM system** [8285-236]
W. Guo, J. Zheng, W. Cheng, F. Su, Wuhan Univ. (China)
- 8285 7Q **Characterization of Codon usage bias in the newly identified DEV UL18 gene** [8285-237]
X. Chen, Mianyang Normal Univ. (China); A. Cheng, M. Wang, J. Xiang, Sichuan Agricultural Univ. (China)
- 8285 7R **Bioinformatics analysis and characteristics of VP23 encoded by the newly identified UL18 gene of duck enteritis virus** [8285-238]
X. Chen, Mianyang Normal Univ. (China); A. Cheng, M. Wang, J. Xiang, Sichuan Agricultural Univ. (China)
- 8285 7S **Range alignment methods for ISAR imaging** [8285-239]
Z. Su, Y. Yuan, Beihang Univ. (China)
- 8285 7T **Joint signal detection and classification based on cyclostationarity for cognitive radios**
[8285-240]
H. Yuan, Z. Jin, Zhengzhou Univ. (China)

8285 7U **Time-domain effects on error rates of multilevel digital pulse interval modulation systems**
[8285-241]

W. Wei, X. Zhang, J. Rao, Naval Univ. of Engineering (China); C. Pan, Element 15 (China)

8285 7V **Fuzzy control of hydraulic servo system based on DSP** [8285-242]
J. He, Hunan Institute of Humanities (China); S.-Y. Yuan, Guilin Univ. of Electronic Technology
(China)

Author Index