

Author Index Volume 16 (2016)

The issue number is given in front of the page numbers.

- Askri, B., Neural network-random generation approach to analyze X-rayfluorescence spectra (1) 167–174
- Bacalis, N.C., Minimization principle for non degenerate excited states (independent of orthogonality to lower lying known approximants) (2) 253–286
- Balachandran, S., see Raja Balachandar, S. (4) 899–911
- Balasubramanian, K., see Raja Balachandar, S. (4) 899–911
- Beilina, L., Application of the finite element method in a quantitative imaging technique (4) 755–771
- Bi, C., see Yan, Y. (3) 549–561
- Bi, H., see Liu, Y. (3) 683–690
- Bobovich, A.V., see Collotta, M. (1) 3– 19
- Cai, C., see Chen, J. (4) 955–965
- Chang, H., see Dong, Q. (2) 317–328
- Chao, J. and L. Zhang, Parameters of small pitch thread measured by an intelligentdetection method (2) 207–218
- Chao, Z., DC-QIM based image watermarking method via the contourlet transform (3) 459–468
- Chen, J., J. Liao, Y. Yang and C. Cai, HEVC and 3D dual-tree discrete wavelet transform based multiple description video coding (4) 955–965
- Chen, J.-J., T. Ji, P. Wu and M. Li, A variant of group search optimizer for global optimization (2) 219–230
- Chen, J.W., H.J. Yang, J.J. Cui and J.S. Zhang, Concept semantics driven computer aided product innovation design (3) 575–590
- Chen, S., see Chen, S.-X. (2) 197–206
- Chen, S.-X., S. Chen, J.-W. Li and X. Chen, A hybrid P/KPCA-based approach for motion capture data automatic segmentation (2) 197–206
- Chen, T., see Xu, H. (4) 773–785
- Chen, W., see Yan, Y. (3) 549–561
- Chen, X., see Chen, S.-X. (2) 197–206
- Chen, X., see Liu, Z. (1) 57– 68
- Cheng, D., see Mu, X. (3) 481–492
- Chow, J.C.L., Performance optimization in 4D radiation treatment planning using Monte Carlo simulation on the cloud (1) 147–156

- Collotta, M., S. Tirrito and A.V. Bobovich, Trasmission amplitude management in power line communications through a fuzzy logic controller: A real case study (1) 3– 19
- Cui, J.J., see Chen, J.W. (3) 575–590
- Cui, D., A vector data coding compression method based on precision control (3) 469–479
- Deng, Y., see Li, B. (4) 807–820
- Dong, G., X. Fu and H. Li, An accurate DNA sequence assembly algorithm based on MapReduce (3) 519–526
- Dong, Q., N. Yao, H. Chang and X. Qiu, Application and analysis of multi-rate sampled in structural health monitoring system (2) 317–328
- Dong, X.-X., see Wang, Y. (1) 111–124
- Du, Z., see Wang, S. (2) 303–316
- Dwivedi, A., see Srivastava, A.K. (4) 969–979
- El Imrani, A.A., see Karoum, B. (4) 733–744
- El Khattabi, N., see Karoum, B. (4) 733–744
- Elbenani, B., see Karoum, B. (4) 733–744
- Fan, J., see Wang, H. (2) 349–359
- Fang, K., see Yu, H. (2) 369–377
- Feng, X.-X., W.-J. Li, Z. Liu and M. Zhang, Preliminary application of mathematical model for small-scale and large-range river-lake system (2) 329–336
- Fernandes, G.R., see Silva, P.B. (3) 617–627
- Fu, X., see Dong, G. (3) 519–526
- Geier, M., see Kian Far, E. (2) 231–252
- Guo, J., see Lin, W. (4) 943–953
- Guo, J., see Mu, X. (3) 481–492
- Guo, J., see Xu, H. (4) 773–785
- Guo, X., see Ma, S. (1) 29– 37
- Gupta, H., see Paul, B. (1) 157–164
- Han, Y., J. Hu, X. Zhang, X. Xiao and J. Wang, Research and design of the image monitoring node for fish pond based on ZigBee (2) 403–414
- He, G., see Qiao, G.-T. (1) 49– 55
- He, P., see Wen, Z. (3) 505–518
- He, Z., see Xu, M. (3) 629–640
- Hu, C., see Yan, X. (2) 379–360
- Hu, C., Z. Li, C. Xu, A. Zhu and M. Jia, Test scheduling with bandwidth division multiplexed for network-on-chip using refined quantum-inspired evolutionary algorithm (4) 927–941
- Hu, J., H. Jian and J. Sun, Relative distance case-based reasoning for international oil price fluctuation early warning (3) 537–548
- Hu, J., see Han, Y. (2) 403–414
- Huang, Q. and F. Luo, Ant-colony optimization based *QoS* routing in named data networking (3) 671–682

- Huang, W., see Lin, W. (4) 943–953
- Huang, Y., G.H. Qin, T. Liu, R. Zhao and B. Zhao, Analysis on in-vehicle information security defense (3) 527–535
- Huo, J., L. Liu and Y. Zhang, Comparative research of optimization algorithms for parameters calibration of watershed hydrological model (3) 653–669
- Ji, T., see Chen, J.-J. (2) 219–230
- Jia, M., see Hu, C. (4) 927–941
- Jia, X., A social networks routing algorithm of resisting Sybil attack based on P2P (4) 877–898
- Jian, H., see Hu, J. (3) 537–548
- Jiang, D., see Wang, T. (3) 563–573
- Kannan, K., see Raja Balachandar, S. (4) 899–911
- Karathanasopoulos, N., Numerical characterization of the structural response of helical constructions to radial and thermal loads (4) 787–800
- Karoum, B., N. El Khattabi, B. Elbenani and A.A. El Imrani, An efficient artificial immune system algorithm for the cell formation problem (4) 733–744
- Kerkines, I.S.K. and C.A. Nicolaides, Designing non-classical non-transition-metal hydrogen complexes: Theoretical prediction of $\text{Si}_2\text{F}_3(\mu_2\text{-H}_2)$ (4) 801–805
- Kian Far, E., M. Geier, K. Kutscher and M. Krafczyk, Distributed cumulant lattice Boltzmann simulation of the dispersion process of ceramic agglomerates (2) 231–252
- Krafczyk, M., see Kian Far, E. (2) 231–252
- Kuchaki Rafsanjani, M. and M. Samareh, Chaotic time series prediction by artificial neural networks (3) 599–615
- Kutscher, K., see Kian Far, E. (2) 231–252
- Li, B., J. Wang, S. Xu, N. Xu, F. Li and Y. Deng, An adaptive correction algorithm of non-linear distorted document (4) 807–820
- Li, F., see Li, B. (4) 807–820
- Li, G.-J., see Yang, X.-L. (3) 451–457
- Li, H., see Dong, G. (3) 519–526
- Li, J.-W., see Chen, S.-X. (2) 197–206
- Li, M., see Chen, J.-J. (2) 219–230
- Li, S.-C., see Wang, Y. (1) 111–124
- Li, W.-J., see Feng, X.-X. (2) 329–336
- Li, X. and Q. Zhu, Design and implementation of a new MANET accessing internet model (4) 835–845
- Li, X.-Q., see Yang, X.-L. (3) 451–457
- Li, Y., see Wang, H. (2) 349–359
- Li, Z., see Hu, C. (4) 927–941
- Liang, D., see Wang, L. (1) 125–133
- Liao, J., see Chen, J. (4) 955–965
- Lin, W., W. Huang, J. Guo and M. Zhang, Reliability-based robust design for flange based on OSAM and SORM (4) 943–953

- Ling, W., J. Yang and J. Zou, Formal specification and verification of a distributed fault localization, isolation and supply restoration algorithm (1) 83– 98
- Ling, Y., see Zhou, W. (1) 39– 47
- Liu, G., see Sun, L. (4) 865–875
- Liu, K., G. Xu and H. Zhao, Research on cloud computing load balancing based on information entropy (1) 135–143
- Liu, L., see Huo, J. (3) 653–669
- Liu, P. and R. Zhang, A new freeform depth of field controlling method based on focused plenoptic camera (2) 187–195
- Liu, R., An improved Logistic chaotic map and self-adaptive model for image encryption (2) 287–301
- Liu, T., see Huang, Y. (3) 527–535
- Liu, W., see Zhou, J. (3) 493–503
- Liu, Y., H. Bi, P. Zhao and Y. Zhang, The combined method to predict development indexes in water drive oilfield (3) 683–690
- Liu, Y.Z., see Wang, J.Y. (2) 361–368
- Liu, Z. and X. Chen, Study into overcurrent protection technology for mine asynchronous motor (1) 57– 68
- Liu, Z., see Feng, X.-X. (2) 329–336
- Liu, Z., see Zhang, W. (2) 391–402
- Luo, F., see Huang, Q. (3) 671–682
- Lv, J., see Xu, H. (4) 773–785
- Lv, P., J. Qian and X. Yue, Incremental attribute reduction algorithm for big data using MapReduce (3) 641–652
- Lv, W., M. Wang and X. Zhu, Model for prediction of surface subsidence coefficient in backfilled coal mining areas based on genetic algorithm and BP neural network (4) 745–753
- Lv, Y., see Nie, D. (1) 99–109
- Ma, S. and X. Guo, Frequency estimation of satellite-based automatic identification system signals (1) 29– 37
- Merzoud, L., see Saal, A. (2) 437–447
- Mestechkin, M., On two Fermat's discoveries (3) 703–710
- Mestechkin, M.M., Natural solutions of Diophantine linear equation with n unknowns (1) 175–184
- Mezey, P.G., A trigonometrically scaled multiple tiling approach for error reduction of models built from fuzzy fragments (4) 729–732
- Mezey, P.G., Iterated similarity sequences and factorial level similarities in databases (4) 719–727
- Mezey, P.G., On the dimension dependence of the level of optimality of certain multi-dimensional sampling strategies (4) 713–717
- Milani, F., see Milani, G. (2) 417–436
- Milani, G. and F. Milani, NR sulphur vulcanization: Interaction study between TBBS and DPG by means of a combined experimental rheometer and meta-model best fitting strategy (2) 417–436
- Mo, S., see Wang, L. (1) 125–133
- Mu, X., J. Guo, Z. Yang and D. Cheng, Study on the site selection of emergency material reserve point based on multi-objective decision method (3) 481–492

- Murali, T.S., see Paul, B. (1) 157–164
- Nicolaides, C.A., see Kerkines, I.S.K. (4) 801–805
- Nie, D., Y. Lv, X. Zhang and L. Qiu, Research on gas bubble merging through the lattice Boltzmann method (1) 99–109
- Nie, W., Z. Wang and J. Zhu, Direct solution of electromagnetic scattering from perfect electric conducting targets by combining characteristic basis function method and hybrid ACA-FDM method (4) 847–854
- Paul, B., H. Gupta, T.S. Murali, T.G. Vasudevan and K. Satyamoorthy, Repeat sequence analysis of *Mycobacterium tuberculosis* (1) 157–164
- Qian, J., see Lv, P. (3) 641–652
- Qiao, G.-T., Y.-N. Zhu and G. He, Evaluation of coal miners' safety behavior based on AHP-GRAP and MATLAB (1) 49– 55
- Qin, G.H., see Huang, Y. (3) 527–535
- Qiu, L., see Nie, D. (1) 99–109
- Qiu, M., see Wang, M. (3) 691–700
- Qiu, X., see Dong, Q. (2) 317–328
- Qu, D., see Sun, L. (4) 865–875
- Raja Balachandar, S., K. Kannan, R. Srikanth, S. Balachandran, S.G. Venkatesh and K. Balasubramanian, Gravitational search algorithm based solution for a class of Ternary Diophantine equations (4) 899–911
- Saal, A. and L. Merzoud, NBO analysis of the torqueselectivity of the electrocyclic reactions of mono-substituted cyclobutenes (2) 437–447
- Samareh, M., see Kuchaki Rafsanjani, M. (3) 599–615
- Satyamoorthy, K., see Paul, B. (1) 157–164
- Shao, B., see Yan, Y. (3) 549–561
- Shi, J., see Xu, M. (3) 629–640
- Shi, S. and R. Zhang, A data processing scheme based on CXML in mobile commerce (4) 913–925
- Si, G., G. Yang and G. Zhang, Toward hierarchical Petri nets model for dependability evaluation of Internet-scale software (1) 69– 81
- Silva, P.B. and G.R. Fernandes, Analysis of beams by a BEM formulation for plate bending with columns (3) 617–627
- Song, Q., see Zhou, J. (3) 493–503
- Srikanth, R., see Raja Balachandar, S. (4) 899–911
- Srivastava, A.K. and A. Dwivedi, A novel heterocyclic species “Aluminazine” and “Caraluminazine” (4) 969–979
- Sun, J., see Hu, J. (3) 537–548
- Sun, L., D. Qu and G. Liu, A mixed integer programming model for gas distribution problem with complex gas applied characteristics (4) 865–875
- Sun, Q., see Xu, M. (3) 629–640

- Tang, J., see Wen, Z. (4) 821–833
- Tirrito, S., see Collotta, M. (1) 3– 19
- Vasudevan, T.G., see Paul, B. (1) 157–164
- Venkatesh, S.G., see Raja Balachandar, S. (4) 899–911
- Wang, H., J. Fan and Y. Li, Research of shoeprint image matching based on SIFT algorithm (2) 349–359
- Wang, H., see Xue, X. (4) 855–864
- Wang, J., Alternative composition analysis of noninterference in cyber-physical system (3) 591–597
- Wang, J., see Han, Y. (2) 403–414
- Wang, J., see Li, B. (4) 807–820
- Wang, J., see Xue, X. (4) 855–864
- Wang, J.K., see Wang, J.Y. (2) 361–368
- Wang, J.Y., Y.Z. Liu and J.K. Wang, A data-stream-based abnormal data mining in web texts environment (2) 361–368
- Wang, L., D. Liang and S. Mo, Judgment model for identifying the type of electric molten mark in fire (1) 125–133
- Wang, M., see Lv, W. (4) 745–753
- Wang, M., Y. Zheng, M. Qiu and Y. Zheng, Research on schedule-based user recommendation model based on improved K-means algorithm (3) 691–700
- Wang, S. and Z. Du, Dispersion cloud resources scheduling based on mobile agent (2) 303–316
- Wang, T., W. Zhao, D. Zhao and D. Jiang, Study on chaos features of crack network evolution in coal-rock fracturing (3) 563–573
- Wang, Y., X.-X. Dong and S.-C. Li, Study on how to resolve the boundary value problem of three-region composite Thomson equation (1) 111–124
- Wang, Z., see Nie, W. (4) 847–854
- Wen, Z. and J. Tang, Quantitative assessment for network security situation based on weighted factors (4) 821–833
- Wen, Z. and P. He, Network security situation abnormal detection method based on hypothesis test (3) 505–518
- Wu, P., see Chen, J.-J. (2) 219–230
- Wu, Q., see Yan, X. (2) 379–360
- Wu, Q., Spanning trees with minimum number of leaves in the square graph of a tree (1) 21– 27
- Xiang, F., see Xue, X. (4) 855–864
- Xiao, X., see Han, Y. (2) 403–414
- Xu, C., see Hu, C. (4) 927–941
- Xu, G., see Liu, K. (1) 135–143
- Xu, H., T. Chen, J. Lv and J. Guo, A combined parallel genetic algorithm and support vector machine model for breast cancer detection (4) 773–785
- Xu, M., Q. Sun, Z. He and J. Shi, Band selection for hyperspectral images based on particle swarm optimization and differential evolution algorithms with hybrid encoding (3) 629–640
- Xu, N., see Li, B. (4) 807–820

- Xu, S., see Li, B. (4) 807–820
- Xue, X., J. Wang, F. Xiang and H. Wang, An efficient method of SAR image segmentation based on texture feature (4) 855–864
- Yan, X., J. Zhao, C. Hu and Q. Wu, Contaminant source identification in water distribution network based on hybrid encoding (2) 379–360
- Yan, X., see Yan, Y. (3) 549–561
- Yan, Y., B. Shao, X. Yan, C. Bi and W. Chen, Contact-impact and performance analysis of automatic vertical drilling system based on parallel computing method (3) 549–561
- Yang, G., see Si, G. (1) 69– 81
- Yang, H.J., see Chen, J.W. (3) 575–590
- Yang, J., see Ling, W. (1) 83– 98
- Yang, X.-L., X.-Q. Li and G.-J. Li, The design and implementation of parallel switch system simulation platform based on Java (3) 451–457
- Yang, Y., see Chen, J. (4) 955–965
- Yang, Z., see Mu, X. (3) 481–492
- Yao, N., see Dong, Q. (2) 317–328
- Yin, J., see Zhang, W. (2) 391–402
- Yu, H. and K. Fang, Method for measuring target depth by using optical field focusing image (2) 369–377
- Yuan, C., see Zhou, W. (1) 39– 47
- Yue, X., see Lv, P. (3) 641–652
- Zhang, G., see Si, G. (1) 69– 81
- Zhang, J.S., see Chen, J.W. (3) 575–590
- Zhang, L., see Chao, J. (2) 207–218
- Zhang, M., see Feng, X.-X. (2) 329–336
- Zhang, M., see Lin, W. (4) 943–953
- Zhang, R., see Liu, P. (2) 187–195
- Zhang, R., see Shi, S. (4) 913–925
- Zhang, S., see Zhu, J. (2) 337–348
- Zhang, W., Z. Liu and J. Yin, Time-delay wavelet network predictor based on sensitivity analysis with application to predictive ship course control (2) 391–402
- Zhang, X., see Han, Y. (2) 403–414
- Zhang, X., see Nie, D. (1) 99–109
- Zhang, Y., see Huo, J. (3) 653–669
- Zhang, Y., see Liu, Y. (3) 683–690
- Zhao, B., see Huang, Y. (3) 527–535
- Zhao, D., see Wang, T. (3) 563–573
- Zhao, H., see Liu, K. (1) 135–143
- Zhao, J., see Yan, X. (2) 379–360
- Zhao, P., see Liu, Y. (3) 683–690
- Zhao, R., see Huang, Y. (3) 527–535
- Zhao, W., see Wang, T. (3) 563–573
- Zheng, Y., see Wang, M. (3) 691–700

- Zheng, Y., see Wang, M. (3) 691–700
- Zhou, J., Q. Song and W. Liu, Medium term load forecasting for chaotic neural networks based on the Euclidean distance (3) 493–503
- Zhou, W., C. Yuan and Y. Ling, Improved LEACH algorithm for smart home controller (1) 39– 47
- Zhu, A., see Hu, C. (4) 927–941
- Zhu, J. and S. Zhang, Design of video tracking simulation platform (2) 337–348
- Zhu, J., see Nie, W. (4) 847–854
- Zhu, Q., see Li, X. (4) 835–845
- Zhu, X., see Lv, W. (4) 745–753
- Zhu, Y.-N., see Qiao, G.-T. (1) 49– 55
- Zou, J., see Ling, W. (1) 83– 98