

## Author Index Volume 49 (2015)

- Afrand, M., see Teimouri, H. (4) 453–461
- Ahsan, M.R., M.T. Islam, M.H. Ullah, R.W. Aldhaheri and M.M. Sheikh, Design of high gain slotted patch antenna with defected ground for WLAN/WiMAX applications (2) 251–262
- Ahsan, M.R., see Ullah, M.H. (3) 387–394
- Alam, T., M.R.I. Faruque, M.T. Islam and M. Samsuzzaman, Dual elliptical patch antenna design on low cost epoxy resin polymer substrate material (1) 23–29
- Aldhaheri, R.W., see Ahsan, M.R. (2) 251–262
- Ali, A., M.U. Farooq, M.Y. Naz, A. Qayyum, Y. Khan, A. Ghaffar and S. Shukrullah, Symmetric tungsten triple probe diagnostic for time resolved measurements in plasma discharge (2) 289–298
- Arehpanah, M. and R. Namdar, A modified mesh refinement procedure for 2D magnetic field analysis using surface current method (SCM) (3) 337–345
- Arshad, H., see Hossain, M.I. (3) 395–403
- Bae, J.-S., J.-H. Hwang, J.-H. Roh and M.-S. Yi, Development of an electromagnetic shock absorber (1) 157–167
- Bissal, A., J. Magnusson, E. Salinas and G. Engdahl, Multiphysics modeling and experimental verification of ultra-fast electro-mechanical actuators (1) 51–59
- Bouaziz, A., S. Bouaziz, T. Hentati, J.Y. Cholley and M. Haddar, Vibrations monitoring of high speed spindle with active magnetic bearings in presence of defects (2) 207–221
- Bouaziz, S., see Bouaziz, A. (2) 207–221
- Bregar, V.B., see Strauch, L. (1) 145–155
- Chang, L., see Qureshi, E.M. (1) 105–121
- Chen, D., see Liu, Y. (2) 299–314
- Chen, J., S. Huang and W. Zhao, Reconstruction of arbitrary defect profiles from three-axial MFL signals based on metaheuristic optimization method (2) 223–237
- Chen, K., see Chen, X. (1) 9–21
- Chen, M., see Yang, F. (3) 375–385
- Chen, P., see Li, X.-C. (3) 315–325
- Chen, X., J. Hu, Z. Peng and K. Chen, Nonlinear torsional vibration characteristics of PMSM for HEV considering electromagnetic excitation (1) 9–21
- Chen, X., see Fu, S. (4) 491–503
- Chen, X., see Xu, G. (1) 79–90
- Chen, Z., see Li, X.-C. (3) 315–325
- Cheng, Q., see Yin, C. (4) 531–546

- Cheng, S.-C. and K.-C. Lee, Improvement of Capon DOA estimation by antenna mode switch techniques (1) 31–39
- Cheng, X., see Tu, X. (1) 91–104
- Chien, C.J.T., see Tu, X. (1) 91–104
- Cholley, J.Y., see Bouaziz, A. (2) 207–221
- Cui, X., see He, W. (4) 567–576
- Deng, Y., see Zhao, Y. (3) 347–361
- Di Barba, P., F. Dughiero, M. Forzan and E. Sieni, Improved solution to a multi-objective benchmark problem of inverse induction heating (2) 279–288
- Dong, R., see Zhou, Z. (4) 577–595
- Dughiero, F., see Di Barba, P. (2) 279–288
- El-Bary, A.A., see Ezzat, M.A. (4) 607–625
- Engdahl, G., see Bissal, A. (1) 51–59
- Ezzat, M.A. and A.A. El-Bary, State space approach to two-dimensional magneto-thermoelasticity with fractional order heat transfer in a medium of perfect conductivity (4) 607–625
- Fan, J., see Shi, W. (2) 239–249
- Fang, T., see Zheng, W. (1) 133–143
- Farahi Shahri, M. and A. Hossein Nezhad, Quasi-two-dimensional case studies of MHD flow and heat transfer behind a square cylinder in a duct (1) 123–132
- Farooq, M.U., see Ali, A. (2) 289–298
- Faruque, M.R.I., see Alam, T. (1) 23–29
- Faruque, M.R.I., see Hossain, M.I. (3) 395–403
- Feng, W.J., see Liu, Q.F. (3) 435–442
- Forzan, M., see Di Barba, P. (2) 279–288
- Fu, S., see Zhou, Y. (4) 443–451
- Fu, S., Y.-H. Zhang, X. Chen, H.-C. Yin and G.-Q. Zhu, A new ray tracing algorithm for creeping waves on NURBS surfaces (4) 491–503
- Gan, J. and X. Zhang, Modeling of rate-dependent hysteresis in piezoelectric actuators based on a modified Prandtl-Ishlinskii model (4) 557–565
- Gao, B., see Yang, F. (3) 375–385
- Gao, M., see Li, J. (1) 61–77
- Gao, N., see Yu, X.-D. (3) 327–335
- Ghaffar, A., see Ali, A. (2) 289–298
- Gong, H., see Shi, W. (2) 239–249
- Goswami, R., see Patel, A. (3) 405–415
- Guo, Y.-X., see Sun, H. (4) 475–482
- Haddar, M., see Bouaziz, A. (2) 207–221
- He, W. and Z. He, A hybrid passive shimming method applied to the design of a unilateral NMR magnet (4) 597–606

- He, W., Y. Zhang, Z. Xu, X. Cui and H. Luo, V-shaped portable NMR sensor with a deep penetration depth and its application in assessing the aging level of turbine oils in power stations (4) 567–576
- He, Z., see He, W. (4) 597–606
- Hentati, T., see Bouaziz, A. (2) 207–221
- Hossain, M.I., M.R.I. Faruque, M.T. Islam and H. Arshad, Design and analysis of mobile phone casing for the reduction of EM absorption (3) 395–403
- Hossein Nezhad, A., see Farahi Shahri, M. (1) 123–132
- Hu, J., see Chen, X. (1) 9–21
- Huang, K., see Xu, G. (1) 79–90
- Huang, S., see Chen, J. (2) 223–237
- Huang, Z., see Zhou, Y. (4) 443–451
- Hwang, J.-H., see Bae, J.-S. (1) 157–167
- Isfahani, A.H.M., see Teimouri, H. (4) 453–461
- Islam, M.T., see Ahsan, M.R. (2) 251–262
- Islam, M.T., see Alam, T. (1) 23–29
- Islam, M.T., see Hossain, M.I. (3) 395–403
- Islam, M.T., see Ullah, M.H. (3) 387–394
- Jang, S.D., S. Mun, S.-K. Min, H.C. Kim and J. Kim, Simulation of a coplanar microstrip dipole rectenna (4) 483–490
- Ji, L., see Liu, Y. (2) 299–314
- Jiao, Y.-C., see Zhang, L. (3) 427–434
- Jing, Y., see Shi, Y. (4) 505–512
- Kang, B.-S., see Kim, J. (2) 263–278
- Karimi-nemch, H., M. Sedighi and M. Khandaei, Analysis of electromagnetic sheet metal forming process: Experimental and FE study of mutual inductance and current pulse (2) 195–205
- Karimipour, A., see Teimouri, H. (4) 453–461
- Khan, Y., see Ali, A. (2) 289–298
- Khandaei, M., see Karimi-nemch, H. (2) 195–205
- Kim, H.C., see Jang, S.D. (4) 483–490
- Kim, J., H.-G. Noh, W.-J. Song and B.-S. Kang, Analysis of electromagnetic forming process using sequential electromagnetic-structural coupling simulation (2) 263–278
- Kim, J., see Jang, S.D. (4) 483–490
- Latef, T.A., see Ullah, M.H. (3) 387–394
- Lee, K.-C., see Cheng, S.-C. (1) 31–39
- Li, J., Q. Xiong, K. Wang, S. Liang and M. Gao, Combining sliding mode neural network with Cuckoo Search to make a uniform microwave heating process (1) 61–77
- Li, J.-G., Q.-C. Tan and Y.-C. Pei, Influence of non-coaxial alignment on interaction forces for the contactless magnetic driver of a reciprocating motion (2) 169–177

- Li, X.-C., Z. Zhou, Z. Chen and P. Chen, Propagation and suppression method of lightning wave in coaxial line (3) 315–325
- Liang, S., see Li, J. (1) 61–77
- Liang, W.-L., see Zhang, L. (3) 427–434
- Liu, Q.F., W.J. Feng and R.K.L. Su, Inclined crack through a rhombic thin superconducting strip with transport current (3) 435–442
- Liu, Y., D. Chen, H. Yuan, L. Ji, Q. Wang and M. Zhao, Research of an improved interruption model coupling air blast for the low voltage circuit breaker (2) 299–314
- Liu, Y., see Zhao, Y. (3) 347–361
- Long, X.-W., see Yu, X.-D. (3) 327–335
- Luo, H., see He, W. (4) 567–576
- Luo, Q., see Zheng, S. (4) 513–530
- Magnusson, J., see Bissal, A. (1) 51–59
- Mahadi, W.N.L., see Ullah, M.H. (3) 387–394
- Mahant, K., see Patel, A. (3) 405–415
- Min, S.-K., see Jang, S.D. (4) 483–490
- Mun, S., see Jang, S.D. (4) 483–490
- Namdar, R., see Arehpanah, M. (3) 337–345
- Naz, M.Y., see Ali, A. (2) 289–298
- Ni, T., see Zhang, L. (3) 427–434
- Noh, H.-G., see Kim, J. (2) 263–278
- Patel, A., A. Vala, K. Mahant and R. Goswami, Conductive, dielectric and amalgamated obstacles coupled waveguide based highly selective multiband bandpass resonators (3) 405–415
- Pavlin, M., see Strauch, L. (1) 145–155
- Pei, Y.-C., see Li, J.-G. (2) 169–177
- Peng, A., see Shi, Y. (4) 505–512
- Peng, Q., see Yang, F. (3) 375–385
- Peng, Z., see Chen, X. (1) 9–21
- Psuj, G., Fusion of multiple parameters of signals obtained by vector magnetic flux observation for evaluation of stress loaded steel samples (1) 1–7
- Qayyum, A., see Ali, A. (2) 289–298
- Qiand, C.-H., see Yang, W. (3) 417–425
- Qiu, X., see Zhao, Y. (3) 347–361
- Qureshi, E.M., X. Shen and L. Chang, Self-powered synchronized switch damping on negative capacitance for broadband vibration suppression of flexible structures (1) 105–121
- Roh, J.-H., see Bae, J.-S. (1) 157–167
- Salinas, E., see Bissal, A. (1) 51–59
- Samsuzzaman, M., see Alam, T. (1) 23–29

- Sedighi, M., see Karimi-nemch, H. (2) 195–205
- Sheikh, M.M., see Ahsan, M.R. (2) 251–262
- Shen, X., see Qureshi, E.M. (1) 105–121
- Shi, L., see Zhou, Y. (4) 443–451
- Shi, W., Y. Wu, H. Gong, Z. Zhao, J. Fan and L. Tan, Comparison of three formulations for eddy-current and skin and proximity problems in a meander coil electromagnetic acoustic transducer (2) 239–249
- Shi, Y., A. Peng, Y. Jing and J. Xu, Design and analysis of novel moving-coil linear compressor for air brake system in electric vehicles (4) 505–512
- Shukrullah, S., see Ali, A. (2) 289–298
- Sieni, E., see Di Barba, P. (2) 279–288
- Sina, N., see Teimouri, H. (4) 453–461
- Song, W.-J., see Kim, J. (2) 263–278
- Strauch, L., M. Pavlin and V.B. Bregar, Optimization, design, and modeling of ferrite core geometry for inductive wireless power transfer (1) 145–155
- Su, R.K.L., see Liu, Q.F. (3) 435–442
- Su, S., see Yi, S. (4) 547–556
- Su, Y., see Zheng, W. (1) 133–143
- Sun, H., Z. Zhong and Y.-X. Guo, Design of a compact rectenna for wireless power transmission miniaturization applications (4) 475–482
- Sun, Y., see Yin, C. (4) 531–546
- Tan, L., see Shi, W. (2) 239–249
- Tan, Q.-C., see Li, J.-G. (2) 169–177
- Tan, Y., see Zhou, Z. (4) 577–595
- Tang, S., see Wang, H. (2) 179–193
- Teimouri, H., M. Afrand, N. Sina, A. Karimipour and A.H.M. Isfahani, Natural convection of liquid metal in a horizontal cylindrical annulus under radial magnetic field (4) 453–461
- Tong, L., see Zheng, S. (4) 513–530
- Tu, X., R. Zhou, Y. Zhou, X. Cheng and C.J.T. Chien, Measurement of initial phase for movers in magnetically levitated planar actuators (1) 91–104
- Uddin, M.J., see Ullah, M.H. (3) 387–394
- Ullah, M.H., see Ahsan, M.R. (2) 251–262
- Ullah, M.H., W.N.L. Mahadi, T.A. Latef, M.T. Islam, M.J. Uddin and M.R. Ahsan, Mutual coupling reduction of dual port antenna using zero index metasurface structure (3) 387–394
- Vala, A., see Patel, A. (3) 405–415
- Wang, H., B. Xue and S. Tang, Modeling and analysis of E-Core permanent magnet biased radial magnetic bearing (2) 179–193
- Wang, K., see Li, J. (1) 61–77
- Wang, Q., see Liu, Y. (2) 299–314
- Wang, W., see Yi, S. (4) 547–556

- Wang, X. and X. Zhang, Modeling of an incomplete constraint magnetic levitation system (3) 363–373
- Wei, L., see Yang, F. (3) 375–385
- Wei, T., L. Zhao and L. Zhao, The identification of axial magnetic bearing system based on LS-PSO algorithm (4) 463–473
- Wei, Y., EM simulation for a composite scattering problem (1) 41–50
- Wu, Y., see Shi, W. (2) 239–249
- Xie, N., see Yin, C. (4) 531–546
- Xie, Y.-P., see Yu, X.-D. (3) 327–335
- Xiong, Q., see Li, J. (1) 61–77
- Xu, G., X. Chen, Z. Zheng and K. Huang, A hybrid FDTD-SPICE method for the analysis of microwave circuits (1) 79–90
- Xu, J., see Shi, Y. (4) 505–512
- Xu, Z., see He, W. (4) 567–576
- Xue, B., see Wang, H. (2) 179–193
- Yan, W., see Zhao, Y. (3) 347–361
- Yang, F., B. Gao, M. Chen, L. Wei, Q. Peng and L. Zou, Reactive power calculation of power cable under complex operation environment based on Poynting vector (3) 375–385
- Yang, W., C.-H. Qiand and Z.-Q. Zhao, Acceleration techniques in a bi-iterative model for EM scattering from a 3-D object above a 2-D rough surface (3) 417–425
- Yi, M.-S., see Bae, J.-S. (1) 157–167
- Yi, S., W. Wang and S. Su, Bending experimental study on metal magnetic memory signal based on von Mises yield criterion (4) 547–556
- Yin, C., Z. Zhang, Y. Sun, N. Xie and Q. Cheng, Optimization of magnetic circuit configuration for GDI injector based on MOSA algorithm (4) 531–546
- Yin, H.-C., see Fu, S. (4) 491–503
- Yu, X.-D., N. Gao, Y.-P. Xie, P.-F. Zhang and X.-W. Long, Displacement optimization of the path length control transducer for laser gyroscope by the finite element method (3) 327–335
- Yuan, H., see Liu, Y. (2) 299–314
- Zhang, L., see Zheng, W. (1) 133–143
- Zhang, L., see Zhou, Z. (4) 577–595
- Zhang, L., Y.-C. Jiao, T. Ni and W.-L. Liang, Wideband circularly polarized planar monopole antenna for wireless communication applications (3) 427–434
- Zhang, P.-F., see Yu, X.-D. (3) 327–335
- Zhang, X., see Gan, J. (4) 557–565
- Zhang, X., see Wang, X. (3) 363–373
- Zhang, Y., see He, W. (4) 567–576
- Zhang, Y.-H., see Fu, S. (4) 491–503
- Zhang, Z., see Yin, C. (4) 531–546
- Zhao, L., see Wei, T. (4) 463–473
- Zhao, L., see Wei, T. (4) 463–473
- Zhao, M., see Liu, Y. (2) 299–314

- Zhao, W., see Chen, J. (2) 223–237
- Zhao, Y., Y. Deng, W. Yan, X. Qiu and Y. Liu, Error analysis in conductive electromagnetic interference noise source impedance extraction: A simulation and experimental study (3) 347–361
- Zhao, Z., see Shi, W. (2) 239–249
- Zhao, Z.-Q., see Yang, W. (3) 417–425
- Zheng, S., L. Tong and Q. Luo, Finite element formulations and algorithms for coupled multiphysics analysis of 0–1 and 0–3 polarized PLZT actuators (4) 513–530
- Zheng, W., L. Zhang, Y. Su and T. Fang, Optimization design of alternating current field measurement inducer (1) 133–143
- Zheng, Z., see Xu, G. (1) 79–90
- Zhong, Z., see Sun, H. (4) 475–482
- Zhou, R., see Tu, X. (1) 91–104
- Zhou, Y., see Tu, X. (1) 91–104
- Zhou, Y., Z. Huang, L. Shi and S. Fu, Analysis of frequency-dependent field-to-transmission line coupling with Associated Hermite FDTD method (4) 443–451
- Zhou, Z., see Li, X.-C. (3) 315–325
- Zhou, Z., Y. Tan, R. Dong and L. Zhang, Fault detection for sandwich systems with hysteresis based on robust observer (4) 577–595
- Zhu, G.-Q., see Fu, S. (4) 491–503
- Zou, L., see Yang, F. (3) 375–385