

Author Index Volume 51 (2016)

Abd-Alhameed, R.A., see Zebiri, C.	(3)	249– 260
Afonso, M.M., see Gonçalves, S.T.M.	(S)	S75– S80
Afonso, M.M., see Paganotti, A.L.	(S)	S157–S165
Ali, M.T., see Rahman, N.H.A.	(3)	307– 318
Ali, N.T., see Zebiri, C.	(3)	249– 260
Alipio, R., see Paganotti, A.L.	(S)	S157–S165
Benabdelaziz, F., see Zebiri, C.	(3)	249– 260
Bernard, L., see Khairi, R.	(S)	S67– S74
Bernard, Y., see Khairi, R.	(S)	S67– S74
Böhmer, S. and K. Hameyer, Transient non-conforming sliding interfaces for motion in eddy current calculations	(S)	S167–S172
Bu, W., F. He, C. Lu, Z. Li and J. Xiao, Unbalanced vibration control strategy of bearingless induction motor based on inverse system decoupling	(4)	455– 469
Cai, Z.-Y., see Ma, Y.	(4)	349– 361
Chang, A., see Liu, Z.	(1)	51– 59
Chang, Y.-H., see Liu, C.-S.	(1)	61– 70
Chen, F., X. Chen, A. Warning and H. Zhu, Understanding of microwave heating in a novel designed cavity with monopole antennas	(2)	119– 129
Chen, J., see Sun, X.	(2)	151– 159
Chen, J.-W., B. Zhang and H. Ding, Design optimization of an arc-edged trapezoidal Halbach array in the linear permanent magnet actuator for precision engineering	(3)	319– 335
Chen, L., see Sun, X.	(2)	151– 159
Chen, Q., see Cheng, X.	(2)	91– 106
Chen, R., see Ren, L.	(1)	11– 19
Chen, S.-W., F. Lu, Y. Ma and L.-Y. Su, A VIE-based algebraic domain decomposition for analyzing electromagnetic scattering from inhomogeneous isotropy/anisotropy dielectric objects	(4)	363– 373
Chen, S.-W., see Ma, Y.	(4)	349– 361
Chen, X., see Chen, F.	(2)	119– 129
Chen, Z., see Cheng, C.	(3)	235– 248
Cheng, C., Z. Chen, Y. Xiong, H. Shi and Y. Yang, A high-efficiency, self-powered nonlinear interface circuit for bi-stable rotating piezoelectric vibration energy harvesting with nonlinear magnetic force	(3)	235– 248

- Cheng, J., J. Qiu, X. Xu, H. Ji, T. Takagi and T. Uchimoto, Research advances in eddy current testing for maintenance of carbon fiber reinforced plastic composites (3) 261– 284
- Cheng, X., Q. Chen, H. Zeng, X. Wang and R. Zhou, Reconfiguration rules for loosely-coupled redundant supporting structure in radial magnetic bearings (2) 91– 106
- Cho, Y.-H., see Kim, S.-A. (S) S135–S145
- Choi, G.-D., see Kim, S.-A. (S) S135–S145
- Coppoli, E.H.R., see Gonçalves, S.T.M. (S) S75– S80
- Corcolle, R., see Khairi, R. (S) S67– S74
- Cvetkovski, G. and L. Petkovska, Multi-objective approach of design optimisation of axial flux permanent magnet motor (S) S115–S123
- Díaz, G.A., E.E. Mombello and G.A. Marulanda, Electric field and electric potential due to a finite cylindrical surface charge distribution considering a linearly variable surface charge density (4) 471– 480
- Daoudi, S., see Zebiri, C. (3) 249– 260
- de Oliveira, J.G., see Rodriguez, E. (2) 131– 149
- de Oliveira, T.A.S., see Paganotti, A.L. (S) S157–S165
- de Santiago, J., see Rodriguez, E. (2) 131– 149
- Dems, M., see Komeza, K. (S) S33– S40
- Di Barba, P., F. Dughiero, M. Forzan and E. Sieni, Migration-corrected NSGA-II for improving multiobjective design optimization in electromagnetics (2) 161– 172
- Di Barba, P., F. Dughiero, M. Forzan and E. Sieni, Optimal design of inductors for magnetic-fluid hyperthermia by means of migration-assisted NSGA (S) S125–S134
- Di Barba, P., M.E. Mognaschi, A. Savini and S. Wiak, Island biogeography as a paradigm for MEMS optimal design (S) S97–S105
- Di Barba, P., see Januszkiewicz, Ł. (S) S41– S47
- Di Barba, P., see Wiak, S. (S) S49– S56
- Ding, H., see Chen, J.-W. (3) 319– 335
- Duan, B., see Wang, C. (3) 285– 295
- Duan, Y.-T., see Ma, Y. (4) 349– 361
- Dughiero, F., see Di Barba, P. (S) S125–S134
- Dughiero, F., see Di Barba, P. (2) 161– 172
- Faktorova, D., see Papezova, M. (S) S107–S113
- Fan, C., see Shi, J. (1) 1– 10
- Faruque, M.R.I., see Islam, M.M. (3) 215– 233
- Firyeh-Nowacka, A., see Wiak, S. (S) S49– S56
- Forzan, M., see Di Barba, P. (S) S125–S134
- Forzan, M., see Di Barba, P. (2) 161– 172
- Ge, B., see Lv, P. (4) 391– 403
- Ginefri, J.C., see Khairi, R. (S) S67– S74
- Gonçalves, E.N., see Paganotti, A.L. (S) S157–S165

Gonçalves, S.T.M., L.M. Tomaz, U.C. Resende, M.M. Afonso, E.H.R. Coppoli and C. Vollaire, FDTD-CPML method applied to analysis of a novel UWB microstrip antenna	(S)	S75– S80
Gulati, T., see Zhang, C.	(2)	199– 213
Hameyer, K., see Böhmer, S.	(S)	S167–S172
Han, Y., see Tang, E.	(3)	337– 347
Hao, Z., see Yan, C.	(4)	405– 418
Hausman, S., see Januszkiewicz, Ł.	(S)	S41– S47
He, F., see Bu, W.	(4)	455– 469
He, L., see Tang, E.	(2)	107– 117
He, L., see Tang, E.	(3)	337– 347
Hecquet, M., see Souron, Q.	(S)	S23– S32
Hong, T., see Zhang, C.	(2)	199– 213
Huang, K., see Zhang, C.	(2)	199– 213
Huang, K., see Zhang, Y.	(1)	71– 81
Hussain, N., M.N. Karsiti, V. Jeoti and N. Yahya, Use of wavelets in marine controlled source electromagnetic method for geophysical modeling	(4)	431– 443
Idziak, P., K. Kowalski, L. Nowak and Ł. Knypiński, FE transient analysis of the magnetostrictive actuator	(S)	S81– S87
Islam, M.M., M.R.I. Faruque, N. Misran and M.T. Islam, Detection of breast cancer using electromagnetic techniques: A review	(3)	215– 233
Islam, M.T., see Islam, M.M.	(3)	215– 233
Islam, M.T., see Rahman, N.H.A.	(3)	307– 318
Januszkiewicz, Ł., P. Di Barba and S. Hausman, Automated identification of human-body model parameters	(S)	S41– S47
Jeoti, V., see Hussain, N.	(4)	431– 443
Ji, H., see Cheng, J.	(3)	261– 284
Jiang, C., see Wang, C.	(3)	285– 295
Jung, S.-Y., see Kim, C.-H.	(1)	83– 89
Kang, M., see Wang, C.	(3)	285– 295
Kantartzis, N.V., see Zygiridis, T.T.	(S)	S57– S66
Karsiti, M.N., see Hussain, N.	(4)	431– 443
Khairi, R., A. Razek, L. Bernard, R. Corcolle, Y. Bernard, L. Pichon, M. Poirier-Quinot and J.C. Ginefri, EMC analysis of MRI environment in view of optimized performance and cost of image-guided interventions	(S)	S67– S74
Kim, C.-H., S.-Y. Jung and Y.-J. Kim, A comparative analysis of power density for single-stage and dual-stage magnetic gear with rare-earth magnets and non rare-earth magnets	(1)	83– 89
Kim, S.-A., G.-D. Choi, J. Lee and Y.-H. Cho, Optimal rotor shape design of 3-step skew spoke type BLAC motor to reducing cogging torque	(S)	S135–S145
Kim, Y.-J., see Kim, C.-H.	(1)	83– 89

- Knypiński, L., see Idziak, P. (S) S81– S87
- Komeza, K., M. Dems and S. Wiak, Analysis of influence of rotor design on high speed small power induction motors parameters (S) S33– S40
- Kowalski, K., see Idziak, P. (S) S81– S87
- Lan, J., see Zhang, C. (2) 199– 213
- Lanfranchi, V., see Tan-Kim, A. (S) S3– S11
- Lashab, M., see Zebiri, C. (3) 249– 260
- Le Besnerais, J., see Souron, Q. (S) S23– S32
- Lee, J., see Kim, S.-A. (S) S135–S145
- Legranger, J., see Tan-Kim, A. (S) S3– S11
- Li, H., see Yao, H. (1) 37– 49
- Li, H.-F., see Liu, C.-S. (1) 61– 70
- Li, M., R. Silva and D. Lowther, Global and local meta-models for the robust design of electrical machines (S) S89– S95
- Li, M., see Silva, R. (S) S147–S156
- Li, Q., see Liu, Z. (1) 51– 59
- Li, X.-J., see Wang, Z.-H. (2) 173– 183
- Li, Z., see Bu, W. (4) 455– 469
- Li, Z., see Tang, E. (2) 107– 117
- Li, Z., see Tang, E. (3) 337– 347
- Li, Z., see Yan, C. (4) 405– 418
- Liu, C.-S., Y.-H. Chang and H.-F. Li, Design of an open-loop controlled auto-focusing VCM actuator without spring plates (1) 61– 70
- Liu, S., see Tang, E. (2) 107– 117
- Liu, S., see Tang, E. (3) 337– 347
- Liu, S., Z. Wu, Y. Shi and J. Wang, Sliding bifurcation research of an electromechanical coupling drive system containing friction under external excitation (1) 21– 36
- Liu, Z., M. Lu, Q. Li, Z. Lv, A. Chang, K. Pang and S. Zhao, A direct coupling method of meshless local Petrov-Galerkin (MLPG) and finite element method (FEM) (1) 51– 59
- Liu, Z., see Xie, Y. (4) 375– 389
- Long, X., see Xiong, Z. (4) 445– 453
- Lowther, D., see Li, M. (S) S89– S95
- Lowther, D.A., see Silva, R. (S) S147–S156
- Lu, C., see Bu, W. (4) 455– 469
- Lu, F., see Chen, S.-W. (4) 363– 373
- Lu, F., see Ma, Y. (4) 349– 361
- Lu, M., see Liu, Z. (1) 51– 59
- Lv, P., B. Ge, D. Tao, J. Yin and H. Zhao, A novel method for electromagnetic torque calculation applying positive and negative sequence current vectors (4) 391– 403
- Lv, Z., see Liu, Z. (1) 51– 59
- Ma, Y., S.-W. Chen, F. Lu, L.Y.-Su and Y.-T. Duan, The CFS-PML for 2-D WLP-FDTD method of dispersive materials (4) 349– 361

Ma, Y., see Chen, S.-W.	(4)	363– 373
Majer, K., see Witczak, P.	(4)	419– 429
Majer, K., Vibrations of transformer cores operating with submagnetizing of DC flux	(S)	S173–S182
Marulanda, G.A., see Díaz, G.A.	(4)	471– 480
Misran, N., see Islam, M.M.	(3)	215– 233
Mognaschi, M.E., see Di Barba, P.	(S)	S97–S105
Mombello, E.E., see Díaz, G.A.	(4)	471– 480
Nowak, L., see Idziak, P.	(S)	S81– S87
Öner, Y. and İ. Şenol, Analytical model of flux switching permanent magnet machine under armature reaction condition	(3)	297– 306
Paganotti, A.L., M.M. Afonso, T.A.S. de Oliveira, M.A.O. Schroeder, R. Alipio, E.N. Gonçalves and R.R. Saldanha, The surge impedance loading optimization by an adaptive Deep Cut Ellipsoidal algorithm	(S)	S157–S165
Palleschi, F., see Tan-Kim, A.	(S)	S3– S11
Pang, K., see Liu, Z.	(1)	51– 59
Papezova, M. and D. Faktorova, Microwave nondestructive testing of dental materials	(S)	S107–S113
Petkovska, L., see Cvetkovski, G.	(S)	S115–S123
Pichon, L., see Khairi, R.	(S)	S67– S74
Poirier-Quinot, M., see Khairi, R.	(S)	S67– S74
Qiu, J., see Cheng, J.	(3)	261– 284
Rahman, N.H.A., M.T. Ali, M.T. Islam and Y. Yamada, Design and performance improvement of shaped-beam parabolic reflector antenna for small region coverage by non-symmetrical array feed technique	(3)	307– 318
Razek, A., see Khairi, R.	(S)	S67– S74
Ren, L., R. Chen, H. Xia, X. Zhang and D. Xu, Design, optimization and test of an electromagnetic vibration energy harvester for industrial wireless sensor networks	(1)	11– 19
Resende, U.C., see Gonçalves, S.T.M.	(S)	S75– S80
Rodriguez G, S., see Xie, Y.	(4)	375– 389
Rodriguez, E., G.G. Sotelo, J.G. de Oliveira, J. de Santiago, M. Rossander and R.M. Stephan, Designing, simulations and experiments of a passive permanent magnet bearing	(2)	131– 149
Rossander, M., see Rodriguez, E.	(2)	131– 149
Rotaru, M., see Stuikeys, A.	(S)	S13– S21
Saldanha, R.R., see Paganotti, A.L.	(S)	S157–S165
Savini, A., see Di Barba, P.	(S)	S97–S105
Sayad, D., see Zebiri, C.	(3)	249– 260

- Schroeder, M.A.O., see Paganotti, A.L. (S) S157–S165
- Şenol, İ., see Öner, Y. (3) 297– 306
- Shi, H., see Cheng, C. (3) 235– 248
- Shi, J., C. Fan, M. Zhao and J. Yang, Thickness-shear vibration characteristics of an AT-cut quartz resonator with rectangular ring electrodes (1) 1– 10
- Shi, Y., see Liu, S. (1) 21– 36
- Sieni, E., see Di Barba, P. (S) S125–S134
- Sieni, E., see Di Barba, P. (2) 161– 172
- Silva, R., M. Li and D.A. Lowther, The role of coarse models in space-mapping: A study on an IPM motor optimization (S) S147–S156
- Silva, R., see Li, M. (S) S89– S95
- Slusarek, B., see Wiak, S. (S) S49– S56
- Sotelo, G.G., see Rodriguez, E. (2) 131– 149
- Souron, Q., J. Le Besnerais and M. Hecquet, Analysis of electromagnetically-induced vibrations of electrical machines based on spatiogram technique (S) S23– S32
- Stephan, R.M., see Rodriguez, E. (2) 131– 149
- Stuikys, A., M. Rotaru and J.K. Sykulski, A refined approach exploiting tubes of flux for analysis of linear switched reluctance motors (S) S13– S21
- Su, B., see Sun, X. (2) 151– 159
- Su, L.-Y., see Chen, S.-W. (4) 363– 373
- Sun, X., B. Su, L. Chen, Z. Yang, J. Chen and W. Zhang, Nonlinear flux linkage modeling of a bearingless permanent magnet synchronous motor based on AW-LSSVM regression algorithm (2) 151– 159
- Sykulski, J.K., see Stuikys, A. (S) S13– S21
- Takagi, T., see Cheng, J. (3) 261– 284
- Tang, E., H. Wang, J. Xia, M. Wang, Z. Li, L. Zhang, S. Xiang, S. Liu, L. He, J. Yuan, M. Xu and S. Zhang, Experimental study on plasma discharge induced by high-velocity impact solar array associated with projectile incidence angles (2) 107– 117
- Tang, E., Z. Li, Q. Zhang, M. Wang, S. Xiang, S. Liu, L. He, Y. Han, J. Xia, H. Wang and M. Xu, Discharges of plasma induced by hypervelocity impact on the solar array with different substrate structures (3) 337– 347
- Tang, Q., see Yan, W. (2) 185– 198
- Tan-Kim, A., V. Lanfranchi, J. Legranger and F. Palleschi, A hybrid electromagnetic model for acoustic optimization of claw-pole alternators (S) S3– S11
- Tao, D., see Lv, P. (4) 391– 403
- Tomaz, L.M., see Gonçalves, S.T.M. (S) S75– S80
- Tsiboukis, T.D., see Zygiridis, T.T. (S) S57– S66
- Uchimoto, T., see Cheng, J. (3) 261– 284
- Vollaire, C., see Gonçalves, S.T.M. (S) S75– S80
- Wan, M., see Wang, Z.-H. (2) 173– 183

- Wang, C., M. Kang, W. Wang, J. Zhong, Y. Zhang, C. Jiang and B. Duan, Electromechanical coupling based performance evaluation of distorted phased array antennas with random position errors (3) 285– 295
- Wang, E., see Yan, W. (2) 185– 198
- Wang, H., see Tang, E. (2) 107– 117
- Wang, H., see Tang, E. (3) 337– 347
- Wang, J., see Liu, S. (1) 21– 36
- Wang, M., see Tang, E. (2) 107– 117
- Wang, M., see Tang, E. (3) 337– 347
- Wang, W., see Wang, C. (3) 285– 295
- Wang, X., see Cheng, X. (2) 91– 106
- Wang, Z.-H., M. Wan and X.-J. Li, Numerical modeling of electromagnetic railgun rail temperature field (2) 173– 183
- Warning, A., see Chen, F. (2) 119– 129
- Wiak, S., A. Firyck-Nowacka, P. Di Barba and B. Slusarek, Comparative study of 3-D computer models of RF ablation probes (S) S49– S56
- Wiak, S., see Di Barba, P. (S) S97–S105
- Wiak, S., see Komeza, K. (S) S33– S40
- Witczak, P. and K. Majer, The influence of magnetic anisotropy on magnetostriction forces and vibration in three-phase three-limb transformers (4) 419– 429
- Wu, Z., see Liu, S. (1) 21– 36
- Xia, H., see Ren, L. (1) 11– 19
- Xia, J., see Tang, E. (2) 107– 117
- Xia, J., see Tang, E. (3) 337– 347
- Xiang, S., see Tang, E. (2) 107– 117
- Xiang, S., see Tang, E. (3) 337– 347
- Xiao, J., see Bu, W. (4) 455– 469
- Xie, Y., L. Yin, R.G. Sergio, T. Yang, Z. Liu and W. Yin, A wholly analytical method for the simulation of an electromagnetic acoustic transducer array (4) 375– 389
- Xiong, Y., see Cheng, C. (3) 235– 248
- Xiong, Z., X. Yu and X. Long, Parametric design for the peak amplitude of a mechanical dithering ring laser gyroscope (4) 445– 453
- Xu, D., see Ren, L. (1) 11– 19
- Xu, M., see Tang, E. (2) 107– 117
- Xu, M., see Tang, E. (3) 337– 347
- Xu, X., see Cheng, J. (3) 261– 284
- Yahya, N., see Hussain, N. (4) 431– 443
- Yamada, Y., see Rahman, N.H.A. (3) 307– 318
- Yan, C., Z. Hao, S. Zhang, B. Zhang, T. Zheng and Z. Li, Computation and analysis of power transformer winding damage due to short circuit fault based on 3-D finite element method (4) 405– 418
- Yan, W., Q. Tang and E. Wang, Radiated emission mechanism for semi-active control strategy of magneto-rheological damper (2) 185– 198

- Yang, J., see Shi, J. (1) 1– 10
- Yang, T., see Xie, Y. (4) 375– 389
- Yang, Y., see Cheng, C. (3) 235– 248
- Yang, Y., see Zhang, C. (2) 199– 213
- Yang, Y., see Zhang, Y. (1) 71– 81
- Yang, Z., see Sun, X. (2) 151– 159
- Yao, H., H. Li and Y. Zhou, Design and optimization of a surface mounted transverse flux permanent magnet machine (1) 37– 49
- Ye, W., see Zhang, Y. (1) 71– 81
- Yin, J., see Lv, P. (4) 391– 403
- Yin, L., see Xie, Y. (4) 375– 389
- Yin, W., see Xie, Y. (4) 375– 389
- Yu, X., see Xiong, Z. (4) 445– 453
- Yuan, J., see Tang, E. (2) 107– 117
- Yuan, P., see Zhang, Y. (1) 71– 81
- Zebiri, C., S. Daoudi, F. Benabdelaziz, M. Lashab, D. Sayad, N.T. Ali and R.A. Abd-Alhameed, Gyro-chirality effect of bianisotropic substrate on the operational of rectangular microstrip patch antenna (3) 249– 260
- Zeng, H., see Cheng, X. (2) 91– 106
- Zhang, B., see Chen, J.-W. (3) 319– 335
- Zhang, B., see Yan, C. (4) 405– 418
- Zhang, C., J. Lan, T. Hong, T. Gulati, H. Zhu, Y. Yang and K. Huang, Dynamic analysis and simulation on continuous flow processing of biodiesel production in single-mode microwave cavity (2) 199– 213
- Zhang, L., see Tang, E. (2) 107– 117
- Zhang, Q., see Tang, E. (3) 337– 347
- Zhang, S., see Tang, E. (2) 107– 117
- Zhang, S., see Yan, C. (4) 405– 418
- Zhang, W., see Sun, X. (2) 151– 159
- Zhang, X., see Ren, L. (1) 11– 19
- Zhang, Y., P. Yuan, W. Ye, H. Zhu, Y. Yang and K. Huang, Frequency quasiperiodic locking and noise reduction of the self-injection quasiperiodic locked magnetron (1) 71– 81
- Zhang, Y., see Wang, C. (3) 285– 295
- Zhao, H., see Lv, P. (4) 391– 403
- Zhao, M., see Shi, J. (1) 1– 10
- Zhao, S., see Liu, Z. (1) 51– 59
- Zheng, T., see Yan, C. (4) 405– 418
- Zhong, J., see Wang, C. (3) 285– 295
- Zhou, R., see Cheng, X. (2) 91– 106
- Zhou, Y., see Yao, H. (1) 37– 49
- Zhu, H., see Chen, F. (2) 119– 129
- Zhu, H., see Zhang, C. (2) 199– 213
- Zhu, H., see Zhang, Y. (1) 71– 81

Zygidis, T.T., N.V. Kantartzis and T.D. Tsiboukis, Development of optimized operators based on spherical-harmonic expansions for 3D FDTD schemes (S) S57– S66