

قائمة بأبحاث قسم هندسة القوي والآلات الكهربائية خلال عام ٢٠١٦

No.	المؤلفون - Authors	عنوان المقالة - Article Title	مكان النشر - Publication place
Year 2016 publications			
1	Abdelsalam A. Ahmed, Byung Kwon Koh, Hyo Sung Park, Kyo-Beum Lee, and Young Il Lee	Finite Control Set Model Predictive Control Method for Torque Control of Induction Motors using a State Tracking Cost Index	IEEE Transactions on Industrial Electronics
2	M. H. Elkazaz, A. Hoballah and A.M. Azmy	Artificial intelligent-based optimization of automated home energy management systems	International Trans. on Electrical Energy Systems, Vol. 26, Issue 9
3	Abdelsalam A. Ahmed, Hany A. Abdelsalam	Mitigation of Transformer-Energizing Inrush Current Using Grid-Connected Photovoltaic System	International Journal of Electrical Power and Energy Systems (IJEPES), Vol. 79, pp 312-321,
4	Ragab A. El-Sehiemy, M. B. Shafiq, Ahmed M. Azmy	Optimal Transmission Switching Problem Utilizing an Enhanced Multi-Phase Seeker Optimization Algorithm	International Journal of Engineering Research in Africa, ISSN: 1663-4144
5	Mahmoud H. Elkazaz, Ayman A. Hoballah, Ahmed M. Azmy	Operation Optimization of Distributed Generation Using Artificial Intelligent Techniques	Ain Shams Engineering Journal, Volume 7, Issue 2, June 2016, Pages 855–866
6	D. I. Panfilov, A. E. ElGebaly and M. G. Astashev	Design and Assessment of Static VAR Compensator on Railways Power Grid Operation under Normal and Contingencies Conditions	16 th IEEE conference Florence, Italy

7	Kotb M. Kotb, Abd El-Wahab Hassan and Essam M. Rashad	Simplified sinusoidal Pulse Width Modulation for Cascaded Half-Bridge Multilevel Inverter	MEPCON Cairo, Egypt
8	Sherif M. Dabour, Essam M. Rashad, Ayman Abdel-khalik, Shehab Ahmed, Ahmed Massoud	A New Fifteen-Switch Inverter Topology for Two Five-Phase Motors Drive	MEPCON Cairo, Egypt
9	M. A. Almozayen, M. K. El-Nemr, E. M. Rashad, A. I. Shobair	Finite-Element-Based Design of Axial Field PMSG for Wind Energy Conversion with MPPT Control	MEPCON Cairo, Egypt
10	M. F. Elmorshedy, S. M. Allam and Essam M. Rashad	Load Voltage Control and Maximum Power Extraction of a Stand-Alone Wind-Driven PMSG Including Unbalanced Operating Conditions	MEPCON Cairo, Egypt
11	Mohamed K. El-Nemr, Essam M. Rashad and Ahmed M. Omara	Variable Speed Drive System of a Line-Start Interior Permanent Magnet Synchronous Motor for Industrial Applications	MEPCON Cairo, Egypt
12	Seong Hwan, Abdelsalam A. Ahmed, JeongJoo Lee, and Young Il Lee	Development of Electric Vehicle Powertrain: Experimental Implementation and Performance Assessment	MEPCON Cairo, Egypt
13	Abdelsalam A. Ahmed, and Young Il Lee	Model Predictive Torque Control of PMSM for EV Drives: A Comparative Study of Finite Control Set and Predictive Dead-beat Control Schemes	MEPCON Cairo, Egypt
14	Essam Eddin M. Rashad	Effect of Parameters on Sub-Synchronous Operation of Series-Connected Wound-Rotor Induction Motor	PECon Melaka, Malaysia
15	Essam Eddin M. Rashad	Theory and Steady-State Analysis of Series-Connected Wound-Rotor Induction Motor in Sub-Synchronous Mode	PECon Melaka, Malaysia
16	D.I. Panfilov, A. E. ElGebaly	Modified Thyristor Controlled Reactors for Static VAR Compensators	PECon Melaka, Malaysia

17	M. N. Ibrahim, P. Sergeant and E. M. Rashad	Rotor Design with and Without Permanent Magnets and Performance Evaluation of Synchronous Reluctance Motors	ICEMS Chiba-Japan
18	M. Mohiedden, S. M. Allam and T. M. Abdel-Moneim	Dynamic characteristics of an isolated self-excited synchronous reluctance generator driven by a wind turbine	Turkish Journal of Electrical Engineering and Computer Science, Vol. 24, No. 6, pp. 5238-5250
19	M. A. Almozayen, M. K. El-Nemr, E. M. Rashad and A. I. Shobair	Voltage balance and harmonic reduction for axial field permanent magnet synchronous generator with concentrated winding	ICEM Lausanne, Switzerland
20	M. F. Elmorshedy, S. M. Allam and E. M. Rashad	Performance analysis and control of a stand-alone wind-driven PMSG including unbalanced conditions	ICEM Lausanne, Switzerland
21	M. G. Mousa, S. M. Allam and E. M. Rashad	Maximum wind-power extraction of a grid-connected wind-driven brushless Doubly-Fed Reluctance Generator under different vector-control strategies	ICEM Lausanne, Switzerland
22	M. F. Elmorshedy, S. M. Allam and E. M. Rashad	Load power and state-of-charge management strategy with MPPT of wind-driven isolated PMSG	ICEM Lausanne, Switzerland
23	M. N. Ibrahim, P. Sergeant and E. M. Rashad	Influence of rotor flux-barrier geometry on torque and torque ripple of permanent-magnet-assisted synchronous reluctance motors	ICEM Lausanne, Switzerland
24	Kotb M. Kotb, Abd El-Wahab Hassan and Essam M. Rashad	Minimization of Total Harmonic Distortion for an Asymmetric Multilevel Inverter Fed from Photovoltaic Modules	ICNEEE Cairo, Egypt
25	M. Elmorshedy, S. Allam, Ahmed I. Shobair and Essam M. Rashad	Analysis and Control of a PMSG-Based Stand-alone Wind-Generating System	ICNEEE Cairo, Egypt

26	Mohamed G. Mousa, S. M. Allam and Essam M. Rashad	Maximum Wind-Power Extraction under Minimum Converter Current of a Grid-Connected Wind-Driven Brushless Doubly-Fed Reluctance Generator	ICNEEE Cairo, Egypt
27	S. M. Allam, M. F. Elmorshedy, Ahmed I. A. Shobair and Essam M. Rashad	Power Management Strategy with Maximum Power Extraction of a Stand-Alone Wind-Driven Permanent Magnet Synchronous Generator	ICNEEE Cairo, Egypt
28	R. Ramadan, Doaa M. Yehia and Essam M. Rashad	Improved Performance of Wind Power Generation Using Hybrid Battery / Supercapacitor Energy Storage Systems	ICNEEE Cairo, Egypt
29	M. A. Almozayen, M. K. El-Nemr, E. M. Rashad and A. I. Shobair	Design and Dynamic Performance of Wind-Driven Permanent Magnet Axial Field Synchronous Generator	ICNEEE Cairo, Egypt
30	Ahmed E. ElGebaly, Mohamed K. El-Nemr:	Optimal Design of Halbach Array Linear Generator for Wave Energy Converters at Maximum Power Transfer Condition	ICNEEE Cairo, Egypt
31	Kotb M. Kotb, Abd Elwahab Hassan and Essam M. Rashad	Genetic Algorithm Implementation for Minimizing Harmonic Distortion in Cascaded half-bridge Based Multilevel DC Link Inverter	ICNTSE Alexandria, Egypt
32	Abd-ElFattah Hamad, Ayman Hoballah and Ahmed M. Azmy	Defining Optimal DG Penetration for Minimizing Energy Losses Concerning Repairing Fault Periods	MEPCON Cairo, Egypt
33	M. R. Elkadeem M. A. Alaam Ahmed M. Azmy	Optimal Automation Level for Reliability Improvement and Self-Healing MV Distribution Networks	MEPCON Cairo, Egypt
34	D. A. Mansour and E. G. Atiya	Application of UV/Vis Spectroscopy to Assess the Stability of Oil-based Nanofluids	CEIDP Toronto, Canada
35	A. M. Alshehawy, D. A. Mansour and M. Ghali	Condition Assessment of Aged Transformer Oil Using Optical Spectroscopy Technique	CEIDP Toronto, Canada

36	I. B. M. Taha, N. I. Elkalashy, S. S. M. Ghoneim and D. A. Mansour	Conditional probability-based interpretation of dissolved gas analysis for transformer incipient faults	IET Generation, Transmission & Distribution Journal
37	Walla S. Sakr, Ragab A. El-Sehiemy, Ahmed M. Azmy	Optimal allocation of TCSCs by adaptive DE algorithm	IET Generation, Transmission & Distribution Journal
38	M.R. Elkadeem, M.A. Alaam, Ahmed M. Azmy	Improving performance of underground MV distribution networks using distribution automation system: A case study	Ain Shams Engineering Journal
39	D. A. Mansour, A. M. Elsaeed and M. A. Izzularab	The role of interfacial zone in dielectric properties of transformer oil-based nanofluids	IEEE Trans. on Dielectrics and Elect. Insulation, Vol. 23, No. 6, pp. 3364-3372
40	Ahmed M. Omara, M. Sleptsov	Drive System of IPMSM with Bidirectional DC/DC Converter for Battery-Powered Electric Vehicles	Int. Conf. on Environment and Elec. Eng. (EEEIC), Moscow, Russia
41	Ahmed M. Omara, M. Sleptsov	Bidirectional Interlevel DC/DC Converter for Electric Vehicle Application	Int. Forum on Strategic Technology (IFOST), Moscow, Russia
42	Ahmed M. Omara, M. Sleptsov	Direct Torque Controlled IPMSM Drive System with Bidirectional Interlevel DC/DC Converter for Electric Vehicle Application	Int. Conf. on Indus. Apps. and Manufacturing (ICIAM), Moscow, Russia

43	Samir M. Dawoud, et. al	PSO algorithm for optimal placement of multiple SPV based distributed generators in Microgrids	Power and Energy Eng. Conf. (APPEEC), IEEE PES Asia-Pacific
44	Samir M. Dawoud, et. al	Hybrid Method for Optimal Placement of Multiple SPV Based Multiple RDGs in Microgrid System	Indonesian Journal of Electrical Engineering and Computer Science