



## Technical Papers to be Scheduled for Presentation

The detailed technical program will be posted on this web site in September

### Electrostatic Processes Committee

Manuscript Title	Authors	Manuscript ID
<a href="#">Advances in electric charge measurements in semi-conducting structures by non-destructive thermal methods</a>	Baudon, Sylvain; Notingher, Petru; Holé, Stéphane; Agnel, Serge	2014-EPC-0315
<a href="#">An electrostatic field driven ionizer for a moving charged target</a>	Sugimoto, Toshiyuki; Furutachi, Kazutoshi; Higashiyama, Yoshio	2014-EPC-0301
<a href="#">An investigation on the charging level of a ligament-droplet system atomized in a uniform electric field</a>	Osman, Husam; Ghazian, Osameh; Adamiak, Kazimierz; Castle, G.S. Peter; Fan, Charles; Simmer, Joseph	2014-EPC-0300
<a href="#">An Updated History of the Electrostatic Processes Committee of the IAS</a>	Castle, G.S. Peter; Greason, William	2014-EPC-0285
<a href="#">Basic Study on Indoor air Quality improvement by Atmospheric plasma</a>	Shimizu, Kazuo; Kurokawa, Yusuke; Blajan, Marius	2014-EPC-0308
<a href="#">Characteristics of atmospheric non-thermal microplasma actuator</a>	Shimizu, Kazuo; Mizuno, Yoshinori; Blajan, Marius	2014-EPC-0287
<a href="#">Characteristics of Contact Discharge using 6GHz Current Probe</a>	Soda, Yutaka; Oda, Tetsuji	2014-EPC-0318
<a href="#">Contactless Electric Field and Space Charge Measurement Across Solid Dielectrics : a Fully Non-intrusive Thermal Technique</a>	Laurentie, Jean-Charles; Notingher, Petru; Yahyaoui, Hanen	2014-EPC-0316
<a href="#">Correlation between the geometric-electric report of an electrostatic precipitator wire-cylinder in order to optimize the cost-efficiency</a>	Bengrit, Malika; Miloua, Farid; Tilmatine, Amar; Remaoun, Sidi-Mohamed; Berrached, Djelloul	2014-EPC-0310
<a href="#">Development of Low-Temperature Sintering Technique for Plastic Dye-Sensitized Solar Cells</a>	Zen, Shungo; Ono, Ryo; Oda, Tetsuji	2014-EPC-0304
<a href="#">Effect of Water Spray on Adsorbed Toluene Decomposition by Nonthermal Plasma Flow</a>	Kuroki, Tomoyuki; Tanaka, Masanari; Okubo, Masaaki	2014-EPC-0306
<a href="#">ELECTRODYNAMIC REMOVAL OF DUST FROM SOLAR MIRRORS AND ITS APPLICATIONS IN CONCENTRATED SOLAR POWER (CSP) PLANTS</a>	Mazumder, Malay; Horenstein, Mark; Stark, Jeremy; Hudelson, John; Sayyah, Arash; Heiling, Calvin; Yellowhair, Julius	2014-EPC-0305

<a href="#">Experimental modelling of a New Tribo-electrostatic Separation Process For micronized plastic particles</a>	Tilmatine, Amar; Brahami, Youssef; Ouiddir, Rabah; Medles, Karim; Bendaoud, Abdelber; Dascalescu, Lucian	2014-EPC-0321
<a href="#">High Voltage Power Supply and Control Technologies for Electrostatic Precipitators in Biomass Applications</a>	Grass, Norbert	2014-EPC-0317
<a href="#">Improved overall performances of a tribo-aero-electrostatic separator for granular mixtures</a>	Miloudi, Mohamed; Dascalescu, Lucian; Li, Jia; Medles, Karim; Tilmatine, Amar	2014-EPC-0313
<a href="#">Improving Safety of Industrial Electrostatic Processes Through Consensus Standards</a>	Noll, Charles	2014-EPC-0284
<a href="#">Interpretation of Surface Potential Measurements Performed with the Vibrating Capacitive Probe of an Electrostatic Voltmeter</a>	Fatihou, Ali; Dascalescu, Lucian; Zouzou, Noureddine; Dumitran, Marius	2014-EPC-0314
<a href="#">Maximize Static Dissipator Neutralization Efficiency</a>	Robinson, Kelly	2014-EPC-0299
<a href="#">MODELING AND OPTIMIZATION OF A SEPARATOR FOR GRANULAR MIXTURES OF MULTIPLE INSULATING MATERIALS</a>	Aksa, Wessim; Medles, Karim; Rezoug, Mohamed; Ouiddir, Rabah; Bendaoud, Abdelber; Dascalescu, Lucian	2014-EPC-0322
<a href="#">Modeling detection and electrical parameters of rapidly moving charged objects</a>	Noras, Maciej; Vinci, Stephen; Hull, David	2014-EPC-0323
<a href="#">MULTI CRITERION CONTROL FOR THREE VARIABLES OF AN INDUSTRIAL ROLL-TYPE ELECTROSTATIC SEPARATOR</a>	Senouci, Khouira; Medles, Karim; Messal, Sara; Dascalescu, Lucian	2014-EPC-0312
<a href="#">Non-thermal Plasma System for Marine Diesel Engine Emissions Control</a>	Balachandran, Wamadeva; Belega, Radu; Manivannan, Nadarajah; Abbod, Maysam	2014-EPC-0307
<a href="#">Numerical simulation of the trajectory of the insulating particles in a tribo-aero-electrostatic separator</a>	Touhami, S; Aksa, Wessim; Medles, Karim; Tilmatine, Amar; Dascalescu, Lucian	2014-EPC-0320
<a href="#">Photo-electrochemical hydrogen production using novel carbon based material</a>	Sharma, Rajesh; Arnoult, Keith; Ramasahayam, Sunil; Azam, Saad; Hicks, Zachary; Shaikh, Ali; Viswanathan, Tito	2014-EPC-0303
<a href="#">Processing of Carbonated Beer by Pulsed Electric Fields</a>	Gad, Ahmed; Jayaram, Shesha	2014-EPC-0288
<a href="#">Recent Experimental Advances in Electrohydrodynamic Conduction Pumping Research</a>	Seyed-Yagoobi, Jamal; Patel, Viral	2014-EPC-0324
<a href="#">Study of a Tribo –Aero- Electrostatic Separator for Mixtures of Powdery Materials</a>	Abdelkader, Mekhalef Benhafssa; Medles, Karim; Boukhoulda, M; Tilmatine, Amar; Messal, Sara; Dascalescu, Lucian	2014-EPC-0309
<a href="#">Submicron PM removal of an ESP combined with a metallic foam filter for large volumetric diesel engines</a>	Kim, Hak-Joon; Han, Bangwoo; Woo, Chang-Gyu; Kim, Yong-Jin	2014-EPC-0498

<a href="#">Tribocharging Phenomena in Sliding Contacts between Polymeric Materials</a>	Zeghloul, Thami; Dascalescu, Lucian; Rouagdia, Karim; Fatihou, Ali; Renoux, Pascal; Souchet, Dominique	2014-EPC-0298
<a href="#">Triboelectrification of Ice</a>	Shio, Hisashi	2014-EPC-0302

### **Energy Systems Committee**

<a href="#">A Collaborative Design of Aggregated Residential Appliances and Renewable Energy for Demand Response Participation</a>	Liu, Meng; Quilumba, Franklin; Lee, Wei-Jen	2014-ESC-0253
<a href="#">A coordination control strategy of voltage source converter based MTDC for offshore wind farms</a>	Ren, Jing-guo; Li, Ke-Jun; Sun, Li-jun; Zhao, Jianguo; Liang, Yongliang; Lee, Wei-Jen; Ding, Zhaohao; Sun, Ying	2014-ESC-0249
<a href="#">A Data-Driven Process Control Topology for Energy Efficiency Optimization of Fan Operation in E/R Ventilation System of Marine Vessels</a>	Giannoutsos, Spyridon; Manias, Stefanos	2014-ESC-0254
<a href="#">An Overview of AMI Data Preprocessing to Enhance the Performance of Load Forecasting</a>	Quilumba, Franklin; Lee, Wei-Jen; Huang, Heng; Wang, David Yanshi; Szabados, Robert	2014-ESC-0241
<a href="#">Coordinated Control Strategy of Wind Turbine Generator and Energy Storage Equipment for Frequency Support</a>	Miao, Lu; Wen, Jinyu; Xie, Hailian; Yue, Chengyan; Lee, Wei-Jen	2014-ESC-0242
<a href="#">DC Bus Stabilization of Li-Ion Battery Based Energy Storage for Hydrogen/Solar Power Plant for Autonomous Network Applications</a>	Thounthong, Phatiphat; Sikkabut, Suwat; Mungporn, Pongsiri; Piegari, Luigi; Nahid-Mobarakeh, Babak; Pierfederici, Serge; Davat, Bernard	2014-ESC-0240
<a href="#">Dispatch Scheduling for a Wind Farm with Hybrid Energy Storage Based on Wind and LMP Forecasting</a>	Liu, Meng; Quilumba, Franklin; Lee, Wei-Jen	2014-ESC-0250
<a href="#">Electronic Power Transformer to Secure the Power Supply of a Mission Critical Microgrid</a>	Wang, Dan; Mao, Chengxiong; Lu, Jiming; Lee, Wei-Jen	2014-ESC-0255
<a href="#">Energy efficiency measurement procedure for gearboxes in their entire operating range</a>	Derammelaere, Stijn; Dereyne, Steve; Defreyne, Pieter; Algoet, Elewijn; Verbelen, Florian; Stockman, Kurt	2014-ESC-0248
<a href="#">Energy Management Method for Residential Distributed Generation System using Photovoltaic Cells and Fuel Cell Vehicle</a>	Sakae, Shunsuke; Takahashi, Akiko; Imai, Jun; Funabiki, Shigeyuki	2014-ESC-0244
<a href="#">Examination and Measurement of Range Extension Using Different Recuperation Modes in Electric Vehicles</a>	Spichartz, Philipp; Dost, P.; Sourkounis, Constantinos	2014-ESC-0247
<a href="#">Induction Heating Appliance with a Mobile Double-Coil Inductor</a>	Sanz, Fernando; Sagues, Carlos; Llorente, Sergio	2014-ESC-0236
<a href="#">Integration of Wind-Power and Wave-Power Generation Systems Using a DC Micro Grid</a>	Lu, Sheng-yen; Wang, Li; Lo, Te-ming	2014-ESC-0237
<a href="#">Maintenance-Centric Energy Management of Industrial Plants Assisted by Demand Response</a>	Mohagheghi, Salman; Raji, Neda	2014-ESC-0243

<a href="#">Novel Hybrid Market Price Forecasting Method with Data Clustering Techniques for EV Charging Station Application</a>	Sarikprueck, Piampoom; Lee, Wei-Jen; Kulvanitchaiyanunt, Asama; Chen, Victoria; Rosenberger, Jay	2014-ESC-0246
<a href="#">Optimization Techniques for Improved Power Factor and Energy Efficiency for Batch Industrial Processes</a>	Rabosky, Darren; Sen, Pankaj	2014-ESC-0239
<a href="#">Short-term Load Forecasting using Regression based Moving Windows with Adjustable Window-Sizes</a>	Vu, Dao; Muttaqi, Kashem; Agalgaonkar, Ashish	2014-ESC-0252
<a href="#">Stochastic Resource Planning Strategy to Improve the Efficiency of Microgrid Operation</a>	Ding, Zhaohao; Lee, Wei-Jen; Wang, Juanjuan	2014-ESC-0251
<a href="#">Supercapacitor Cycle Life Equalization in a Microgrid through Flexible Distribution of Energy and Storage Resources</a>	Khasawneh, Hussam; Illindala, Mahesh	2014-ESC-0245

### **Industrial Automation & Control Committee**

<a href="#">A Modified Single Carrier-Based Modulation Scheme for a 3-Level Neutral-Point-Clamped (NPC) DC/AC Traction Inverter Drive</a>	Choudhury, Abhijit; Pillay, Pragasen; Williamson, Sheldon	2014-IACC-0479
<a href="#">A Novel Design Method for Adaptive Full Order Observer Feedback Matrix and Speed Estimation Algorithm</a>	Sun, Wei; Yu, Yong; Wang, Gaolin; Xu, Dianguo	2014-IACC-0443
<a href="#">A Novel Tuning Method for Advanced Line Drop Compensator and its application to Response Coordination of Distributed Generation with Voltage Regulating Devices</a>	Muttaqi, Kashem; Le, An; Negnevitsky, Michael; Ledwich, Gerard	2014-IACC-0467
<a href="#">A Survey of Low Switching Frequency Modulation Techniques for Medium-Voltage Multilevel Converters</a>	Rathore, Akshay; Edpuganti, Amarendra	2014-IACC-0455
<a href="#">A Three-Phase Boost AC-AC Voltage Converter</a>	Hossain, Mohammad; Chowdhury, M. Ali; Uddin, Mohammad	2014-IACC-0444
<a href="#">A Web-based Communication Module Design of a Real-time Multi-Sensor Fire Detection and Notification System</a>	Sowah, Robert; Ofoli, Abdul; Krakani, Selase; Fiawoo, Seth	2014-IACC-0473
<a href="#">Accurate Inverter Error Compensation Using Self-Tuning Stator Current Estimation Error in Sensorless Induction Motor Drives</a>	Sun, Wei; Yu, Yong; Wang, Gaolin; Xu, Dianguo	2014-IACC-0442
<a href="#">An Offset-free Multivariable Model Predictive Control for Quadruple Tanks System</a>	Askari, Masood; Moghavvemi, Mahmoud; Almurib, Haider; Muttaqi, Kashem	2014-IACC-0447
<a href="#">Behavioral Characterization of Electric Vehicle Charging Loads in a Distribution Power Grid through Modeling of Battery Chargers</a>	Haidar, Ahmed; Muttaqi, Kashem	2014-IACC-0468
<a href="#">Comparison of Two Modulation Strategies for a Three Level Inverter Synchronous Reluctance Motor Drive</a>	Masisi, Lesedi; Pillay, Pragasen; Williamson, Sheldon	2014-IACC-0448

<a href="#">Design and Evaluation of a Digital Control System for Power Converters at Advanced Photon Source</a>	Guo, Liping; Aqil, Muhammad; Zinger, Donald; Wang, Ju	2014-IACC-0446
<a href="#">Design and Real-time Implementation of Optimal Power System Wide Area System-Centric Controller based on Temporal Difference Learning</a>	Kamalasadan, Sukumar; Yousefian, Reza	2014-IACC-0463
<a href="#">Design of a Novel 6/5 Segmental Rotor Type Switched Reluctance Motor</a>	Xu, Zhenyao; Lee, Dong Hee; Ahn, Jin-Woo	2014-IACC-0453
<a href="#">Design of Robust Voltage Control System for Improving Transient and Voltage Stability on Distributed Generation Expansion</a>	Baek, Seung-Mook	2014-IACC-0445
<a href="#">Fundamental Switching Frequency Optimal Pulse Width Modulation of Medium Voltage Cascaded Seven-Level Inverter</a>	Rathore, Akshay; Edpuganti, Amarendra	2014-IACC-0452
<a href="#">Hardware Module Design of a Real-time Multi-Sensor Fire Detection and Notification System using Fuzzy Logic</a>	Sowah, Robert; Ofoli, Abdul; Krakani, Selase; Fiawoo, Seth	2014-IACC-0472
<a href="#">Impact of Plug-In Electric Vehicle Battery Charging on a Distribution System</a>	Bunga, S. K.; Eltom, Ahmed; Sisworahardjo, N.	2014-IACC-0478
<a href="#">Implementation and Performance of Position Sensorless PMSM Control in Industrial Drives</a>	Liu, Jingbo; Matsuo, Takayoshi; Nondahl, Thomas; Schmidt, Peter; Rowan, Timothy; De Lange, Robert	2014-IACC-0440
<a href="#">Implementation of d-q Decoupling and Feed-Forward Current Controller for Grid Connected Three Phase Voltage Source Converter</a>	Razali, Azziddin; Rahman, Aziz; Rahim, Nasrudin	2014-IACC-0459
<a href="#">Improving EMC Behavior and Energy Efficiency of BOOST Converter with Power Switches having Low Switching Frequency and High dv/dt</a>	Rasoanarivo, Ignace; Urbain, Matthieu; Sargos, François-Michel; Nahid-Mobarakeh, Babak	2014-IACC-0466
<a href="#">Independent Rated Speed Control of Two Induction Motors Fed by a Four-Leg Inverter</a>	Kubo, Yuji; Moroi, Takayuki; Matsuse, Kouki; Kubota, Hisao; Rajashekara, Kaushik	2014-IACC-0449
<a href="#">Integrated Control of Battery Energy Storage Management Systems Considering PV Capacity Firming and Energy Time Shift Applications</a>	Kamalasadan, Sukumar; Abedlrazek, Sherif	2014-IACC-0462
<a href="#">Mitigating Tap-changer Limit Cycles in Electricity Networks Embedded with Local Generation Units</a>	Dothinka, Ranamuka; Agalgaonkar, Ashish; Muttaqi, Kashem; Alam, M. J. E.	2014-IACC-0465
<a href="#">Mixed-integer linear programming for the optimal design and management of air compressor rooms</a>	Quartarone, Giusi; Anglani, Norma	2014-IACC-0470
<a href="#">Modeling and Diagnostic of Incipient Inter-turn Faults For a Three Phase Permanent Magnet Synchronous Motor</a>	Haje Obeid, Najla; Boileau, Thierry; Nahid-Mobarakeh, Babak	2014-IACC-0471
<a href="#">Modeling and V/F control of a Hysteresis Interior Permanent Magnet Motor</a>	Rabbi, S. F.; Halloran, M.; LeDrew, T.; Matchem, A.; Rahman, Aziz	2014-IACC-0457
<a href="#">MTPA and FW Based Robust Nonlinear Speed Control of IPMSM Drive Using Lyapunov Stability Criterion</a>	Schoonhoven, Garin; Uddin, Mohammad	2014-IACC-0461

<a href="#">On influence of various modulation schemes on a PMSM within an electric Vehicle</a>	Dost, P.; Sourkounis, Constantinos	2014-IACC-0460
<a href="#">On opportunities of dimensioning a (virtual) flux based hysteresis controller for minimal switching frequency</a>	Dost, P.; Sourkounis, Constantinos	2014-IACC-0458
<a href="#">Online Loss Minimization Based Adaptive Flux Observer for Direct Torque and Flux Control of PMSM Drive</a>	Uddin, Mohammad; Zou, HonBin; Azevedo, Felipe	2014-IACC-0451
<a href="#">Power Quality Improvement in Isolated Distributed Generating System Using DSTATCOM</a>	Arya, Sabha Raj; bhalla, Krishan; Niwas, Ram; Singh, Bhim; Chandra, Ambrish; Al-Haddad, Kamal	2014-IACC-0474
<a href="#">Real Time Benefit Computation for Electric Distribution System Automation and Control</a>	Shariatzadeh, Farshid; Chanda, Sayonsom; Srivastava, Anurag; Bose, Anjan	2014-IACC-0480
<a href="#">Real-Time Optimal Scheduling of Smart Power Distribution Systems Using Integrated Receding Horizon Control and Convex Conic Programming</a>	Kamalasadan, Sukumar; Moghadasi, Seyedmahdi	2014-IACC-0464
<a href="#">Real-Time Testing of a Fuzzy Logic Controller Based Grid-Connected Photovoltaic Inverter System</a>	Hannan, M; Ghani, Z; Mohamed, A; Uddin, Mohammad	2014-IACC-0450
<a href="#">Recent Advances in Loss Minimization Algorithms for IPMSM Drives</a>	Azevedo, Felipe; Uddin, Mohammad	2014-IACC-0439
<a href="#">Reliability Assessment of Adjustable Speed Drives Using State Markov Models</a>	Brinzei, Nicolae; Nahid-Mobarakeh, Babak	2014-IACC-0477
<a href="#">Single-Phase Power Generation Employing VFC for Standalone Three-Phase Doubly Wound Asynchronous Generator</a>	Sharma, Shailendra; Singh, Bhim; Chandra, Ambrish; Al Haddad, Kamal	2014-IACC-0456
<a href="#">Suboptimal MPPT Control for Power Management in PV-Diesel Remote Area Power Supply Systems</a>	Tan, Yingjie; Meegahapola, Lasantha; Muttaqi, Kashem	2014-IACC-0475
<a href="#">Vector Controlled Two Induction Motor Drives Fed by Matrix Converter</a>	Nakajima, Akitoshi; Sakaki, Kiyoya; Matsuse, Kouki; Kubota, Hisao; Rajashekara, Kaushik	2014-IACC-0454

### **Industrial Lighting & Display Committee**

<a href="#">A Family of Insulated Integrated Drivers to Feed LED's Lamps to Street Lighting with Reduced Capacitances</a>	Luz, Paulo; Bolzan, Priscila; Maboni, Thiago; Cosetin, Marcelo; do Prado, Ricardo Nederson	2014-ILDC-0326
<a href="#">A New Technique to Equalize Branch Currents in Multiarray LED Lamps Based on Variable Inductor</a>	Pinto, Rafael; Alonso, Marcos; Perdigão, Marina; da Silva, Marcelo; do Prado, Ricardo Nederson	2014-ILDC-0328
<a href="#">A Review on Variable Inductors and Variable Transformers: Applications to Lighting Drivers</a>	Perdigão, Marina; Menke, Maikel; Seidel, Alysson; Pinto, Rafael; Alonso, Marcos	2014-ILDC-0335
<a href="#">A True Parallel Lamp Operation Universal Program Start Dimming Ballast Platform Based on Decoupled Half-bridge Inverter</a>	Xiong, Wei; Stankovic, Ana	2014-ILDC-0338

<a href="#">Application of a Plasma Arc Lamp for Thermal Processing of Semiconductor Wafers</a>	Grover, Harpreet; Dawson, Francis; Camm, Dave; Cressault, Yann; Lieberer, Markus	2014-ILDC-0334
<a href="#">Applications of Optoelectronic Watermarking Technique to New Business and Industry Systems Utilizing Flat Panel Displays and Smart Devices</a>	UEHIRA, Kazutake; Suzuki, Kayo; Ikeda, Hiroaki	2014-ILDC-0342
<a href="#">Bidirectional Flyback converter connected to the grid and applied to a distributed microgeneration and street lighting system</a>	Melo, Maicol; Kirsten, Andre; Dalla-Costa, Marco; Garcia, Jorge; Quintana, Pablo	2014-ILDC-0332
<a href="#">Design Considerations for New 3D Image Display System with Improved Compatibility with Invisibility and Readability</a>	UNNO, Hiroshi; TAKASHIMA, Youichi; UEHIRA, Kazutake	2014-ILDC-0341
<a href="#">Dimmable Single-stage SEPIC-Cuk Converter for LED Lighting with Reduced Storage Capacitor</a>	Cosetin, Marcelo; Bolzan, Thaís; Vargas Luz, Paulo; da Silva, Marcelo; Alonso, José; do Prado, Ricardo Nederson	2014-ILDC-0327
<a href="#">EEFL (External Electrode Fluorescent Lamp) driving methods</a>	Kaiser, Walter	2014-ILDC-0339
<a href="#">Forecasting Electrical Parameters of Mass-Produced LED Luminaire using the Monte Carlo Method</a>	Witt, William; Stankovic, Ana	2014-ILDC-0329
<a href="#">Four-parameter Taylor Series Based Light-Emitting-Diode Model</a>	Lin, Ray-Lee; Tsai, Jhong-Yan; Alonso, José; Gacio, David	2014-ILDC-0336
<a href="#">Lighting – Reduce the consumption and increase the comfort of the users</a>	DUPUIS, Pascal; Barroso, Angel; CANALE, Laurent; Alonso, Corinne; Zissis, Georges	2014-ILDC-0343
<a href="#">Low-Frequency Burst Modulation Applied to Single-Stage SEPIC Half-Bridge Topology to Feed an Electrodeless Fluorescent Lamp with Dimming Capability</a>	Fraytag, Jeferson; Marchesan, Ricardo; Schlittler, Marson; Seidel, Alysson; do Prado, Ricardo Nederson; Alonso, José; da Silva, Marcelo	2014-ILDC-0333
<a href="#">OLED Equivalent Circuit Model with Temperature Coefficient and Intrinsic Capacitor</a>	Lin, Ray-Lee; Tsai, Jhong-Yan; Buso, David; Zissis, Georges	2014-ILDC-0340
<a href="#">Power Quality of Energy Saving Lamps Under Wide Voltage Variations</a>	Simanjuntak, Rikardo; DUPUIS, Pascal; CANALE, Laurent; Sinisuka, Ngapuli; Zissis, Georges	2014-ILDC-0331
<a href="#">Program Start Fluorescent Ballast with Clamped-Q Resonant Filament Heating Circuit</a>	Xiong, Wei; Stankovic, Ana	2014-ILDC-0337
<a href="#">Simplified Models of LED Ballasts for Spice</a>	Simanjuntak, Rikardo; DUPUIS, Pascal; Kukačka, Leoš; Zissis, Georges	2014-ILDC-0330
<a href="#">The Optimization of Color-Mixed LED Lighting</a>	Chiang, SongBor; Chien, KuoHsiang	2014-ILDC-0325
<a href="#">Three dimensional motion picture technologies</a>	Aoshima, Ken-ichi; Hidakazu, Kinjou; Machida, Kenji; Kato, Daisuke; Kuga, Kiyoshi; Mishina, Tomoyuki; Kikuchi, Hiroshi; Shimidzu, Naoki	2014-ILDC-0351

**Metal Industry Committee**

<a href="#">A Critical Analysis of Standard Methods for Characterization of Electrical Steels: Losses in High Speed Induction Motors</a>	Costa, Andre; Cardoso, Braz; Bastos, Rodrigo; Paolinelli, Sebastiao; Nau, Sebastiao; Valle, Ramon	2014-METC-0500
<a href="#">Active Series Reactor for Electric Arc Furnace based on Electronic Power Converter</a>	Pires, Igor; Murta, Marcelo; Filho, Braz	2014-METC-0505
<a href="#">Advanced Control to Reduce the Likelihood of Cobbles in the Tandem Rolling of Hot Metal Strip</a>	Pittner, John; Simaan, Marwan	2014-METC-0503
<a href="#">Analysis of Burn Out and Random Trips at Starting of a 2984kW Induction Motor Driving a Main Blower</a>	Silva, Leonardo Adolpho; Pires, Igor; Giancoti, Karina; Rodrigues, Francisco	2014-METC-0508
<a href="#">Comprehensive Analysis to Specify a Static Var Compensator for an Electric Arc Furnace Upgrade</a>	Morello, Sam; Dionise, Thomas; Mank, Thomas	2014-METC-0499
<a href="#">Cutting and Punching Impacts on Laminated Electromagnetic Steels to the Designs and Operations of Synchronous Reluctance Motors</a>	Liu, Cheng-Tsung; Chang, Bo-Yan; Hung, Kuo-Yuan; Lin, Sheng-Yang	2014-METC-0501
<a href="#">Data Mining Framework for Power Quality Event Characterization of Iron and Steel Plants</a>	Guder, Mennan; Salor, OZGUL; CADIRCI, Isik; Ozkan, Baris; Altintas, Erinc	2014-METC-0507
<a href="#">Electric Arc Furnace Model in Distribution Systems</a>	Cano-Plata, Eduardo; Ustariz-Farfan, Armando; Soto, Oscar	2014-METC-0506
<a href="#">Flatness measurement using two laser stripes to remove the effects of vibrations</a>	Usamentiaga, Ruben; Molleda, Julio; Daniel, García; Bulnes, Francisco; Entrialgo, Joaquin; Suarez, Carlos	2014-METC-0504
<a href="#">Parameter Identification Method for 3-phase Induction Heating System</a>	Anh, Nguyen; Phan, Dung; Nguyen, Duy; Nguyen, Long; Durrieu, Olivier; Maussion, Pascal	2014-METC-0502

### **Mining Industry Committee**

<a href="#">A cost-benefit analysis of electric loaders to reduce diesel emissions in underground hard rock mines</a>	Jacobs, William; Hodkiewicz, Melinda; Braunl, Thomas	2014-MIC-0261
<a href="#">A novel security monitoring system of coal mine based on power line communication dynamic routing technology</a>	Zhang, Liang; Liu, Xiaosheng; Xu, Dianguo	2014-MIC-0267
<a href="#">A Transferrable Shell-Based Magnetic Flux Density Distribution Model for a Magnetic Proximity Detection System</a>	Li, Jingcheng; Carr, Jacob; Smith, Adam; Waynert, Joseph	2014-MIC-0263
<a href="#">Advancements in Vibration Monitoring for the Mining Industry</a>	Mazur, David; Kay, John; Mazur, Ken	2014-MIC-0264
<a href="#">Charge Behavior Analysis in Ball Mill by Using Estimated Torque</a>	Esteves, Priscila; Stopa, Marcelo; Filho, Braz; Galery, Roberto	2014-MIC-0274
<a href="#">DC vs AC power distribution for mobile mining equipment</a>	Mirzaeva, Galina; Ghaffarpour Jahromi, Mohsen; Gay, David; Mitchell, Steven	2014-MIC-0260
<a href="#">Driving AC Motors through Long Distances with DC Transmission: Experimental Results</a>	De Paula, Hélder; Almeida, Wellington; Pereira, Philippe; Rocha, Anderson; Cardoso, Braz	2014-MIC-0270



<a href="#">Dynamic modeling, Parameter Identification, and Payload Estimation of Mining Cable Shovels</a>	Rasuli, Abdol; Tafazoli, Shahram; Dunford, William	2014-MIC-0256
<a href="#">Energy Quality and Efficiency of an Open Pit Mine Distribution System: An Evaluation.</a>	Aqueveque, Pablo; Wiechmann, Eduardo; Munoz, Luis; Henriquez, Jorge	2014-MIC-0259
<a href="#">Energy Quality and Efficiency of an Open Pit Mine Distribution System: An Improvement.</a>	Wiechmann, Eduardo; Aqueveque, Pablo; Munoz, Luis; Henriquez, Jorge	2014-MIC-0276
<a href="#">Infrared windows applied in switchgear assemblies: taking another look</a>	Durocher, David; Loucks, David	2014-MIC-0273
<a href="#">Injury surveillance and safety considerations for large format lead-acid batteries used in mining applications</a>	Reyes, Miguel; Novak, Thomas	2014-MIC-0265
<a href="#">Integrated Mechanical-Electrical Modeling of an AC Electric Mining Shovel and Evaluation of Power Requirements during a Truck Loading Cycle</a>	Valenzuela, M. Anibal; Valenzuela G., Matias	2014-MIC-0257
<a href="#">Modeling and Evaluation of Cycloconverter-Fed, Two-Stator Windings SAG Mill Drive. Part I: Modeling Options</a>	Valenzuela, M. Anibal; Castro, Pablo	2014-MIC-0271
<a href="#">Modeling and Evaluation of Cycloconverter-Fed, Two-Stator Windings SAG Mill Drive. Part II: Starting Evaluation</a>	Valenzuela, M. Anibal; Castro, Pablo	2014-MIC-0272
<a href="#">Motor Drive Systems Reliability: Impact of the Environment Conditions on the Electronic Component Failure Rates</a>	Souza, Frederico; De Paula, Hélder; Pereira, Philipe; Rocha, Anderson; Cardoso, Braz	2014-MIC-0269
<a href="#">Selecting the proper led light fixture to enhance safety in harsh &amp; hazardous environments</a>	Jenkins, Devon; Bhargava, Anshuman	2014-MIC-0268
<a href="#">Statistical Analysis and Modeling of VLF/ELF Noise in Coal Mines for Through-the-Earth Wireless Communications</a>	Yan, Lincan; Waynert, Joseph; Sunderman, Carl; Damiano, Nicholas	2014-MIC-0262
<a href="#">Voltage regulation in mine power distribution systems: problems and solutions</a>	Morán, Luis; Espinoza, Jose; Burgos, Rolando	2014-MIC-0258

### **Power System Engineering Committee**

<a href="#">A Controllable Local Peak Shaving Strategy for Effective Utilization of PEV Battery Capacity for Distribution network Support</a>	Alam, M. J. E.; Muttaqi, Kashem; Sutanto, Danny	2014-PSEC-0385
<a href="#">A Multi -Megawatt Test Facility for Renewable Energy Research</a>	Fox, John; McKinney, Mark; Collins, Edward; Bulgakov, Konstantin; Salem, Thomas	2014-PSEC-0282
<a href="#">A Novel High-Power-Factor Single-Stage Converter for Micro-Scale Wind Power Generation System</a>	Liao, Yi-Hung; Yang, Li-Ching	2014-PSEC-0359
<a href="#">A Preliminary Study on Total Energy-Density Variations of a Buddhist Temple in Taiwan through Long-Term Field Measurements of Electric-Field Strength</a>	Lu, Sheng-yen; Wang, Li	2014-PSEC-0347
<a href="#">An Effective Approach to Reducing Arc Flash Hazards in Power Systems</a>	Liang, Xiaodong; Bagen, Bagen; Gao, David	2014-PSEC-0296

<a href="#">Analysis of high frequency phenomena in medium-power photovoltaic systems</a>	Pereira, Philipe; De Paula, Hélder; Cardoso, Braz; Brito, José; Rocha, Anderson	2014-PSEC-0349
<a href="#">Analysis of Measured Power-Quality Results of a PV System Connected to Peng-Hu Power System</a>	Lu, Sheng-yen; Wang, Li; Ke, Shun-Chin; Chang, Che-Hao; Yang, Zhi-Hao	2014-PSEC-0346
<a href="#">Analysis of PEV Charging Impact on Distribution Transformer Aging for Charging Station Transformer Design</a>	Su, Chun-Lien; Zheng, Kai-En; Leou, Rong-Ceng; Lu, Chan-Nan; Teng, Jen-Hao; Huang, Kuo-Feng	2014-PSEC-0360
<a href="#">Characterizing Voltage Sags and Swells using Three-phase Voltage Ellipse Parameters</a>	Alam, M. R.; Muttaqi, Kashem; Bouzerdoum, A.	2014-PSEC-0283
<a href="#">Conservative measurements of touch and step voltages by auxiliary electrodes at reduced distance</a>	Parise, Giuseppe; Martirano, Luigi; Parise, Luigi; Celozzi, Salvatore; Araneo, Rodolfo	2014-PSEC-0291
<a href="#">Considerations in the Design of Grounding System for Solar Farms</a>	Enrique, Eduardo; Hadzismajlovic, Ibro; Shen, Ben	2014-PSEC-0384
<a href="#">Cooperative Control of Power Conditioners in High-Voltage Distribution Systems Comprising a Large Number of PV Systems</a>	Fukunaga, Kazuya; Takahashi, Akiko; Imai, Jun; Funabiki, Shigeyuki	2014-PSEC-0348
<a href="#">Design and Analysis of a Three-phase Rotary Transformer for Doubly Fed Induction Generators</a>	Zhong, Hui; Zhao, Lin; Wang, Xiuhe; Xiao, Li	2014-PSEC-0365
<a href="#">Electrical Safety Of Aeronautical Ground Lighting Systems</a>	Mitolo, Massimo; Freschi, Fabio; Tommasini, Riccardo	2014-PSEC-0386
<a href="#">Evaluation of Measured Power-Quality Results of a Wind Farm Connected to Taiwan Power System</a>	Lu, Sheng-yen; Wang, Li; Ke, Shun-Chin; Chang, Che-Hao; Yang, Zhi-Hao	2014-PSEC-0345
<a href="#">Field Measurements, Modeling, and Analysis of Power System Harmonics Caused by Industrial Customers</a>	Játiva-Ibarra, Jesús; Navarro Mendez, Gabriela; Quilumba, Franklin; Lee, Wei-Jen	2014-PSEC-0350
<a href="#">GROUNDING AND BONDING: A COMBINED PROTECTION AGAINST ELECTRIC SHOCK</a>	Parise, Giuseppe; Martirano, Luigi; Parise, Luigi	2014-PSEC-0293
<a href="#">GROUNDING SYSTEMS EFFICIENCY IN AREAS WITH REDUCED ACCESSIBILITY</a>	Parise, Giuseppe; Parise, Luigi; Martirano, Luigi; Farber, Alex; Katz, Boris	2014-PSEC-0292
<a href="#">Harmonic Analysis and Simulation of Multi-pulse Rectifiers Applied in Electrolysis Industry</a>	Ma, Zhiheng; Xu, Zheng; Li, Yujun	2014-PSEC-0381
<a href="#">Harmonics in Electrical Power Systems: Effects of New Technologies</a>	Sutherland, Peter	2014-PSEC-0362
<a href="#">Ignition Characteristics of Residential Series Arc Fault in 220V HIV Wire</a>	Moon, Won-Sik; Kim, Jae-Chul; Jo, Ara; Bang, Sun-Bae; Ko, Won-Sik	2014-PSEC-0380
<a href="#">Load Filter Design Method for Medium Voltage Drive Applications in Electrical Submersible Pump Systems</a>	Liang, Xiaodong; Kar, Narayan; Liu, Joe	2014-PSEC-0297
<a href="#">Long Term Field Study of Lightning Surges Through Traffic Monitoring In-Pavement Sensors</a>	Harvey, Bruce	2014-PSEC-0361
<a href="#">Magnetic field mitigation at power frequency: design principles and case studies</a>	Bavastro, Davide; Canova, Aldo; Freschi, Fabio; Giaccone, Luca; Manca, Michele	2014-PSEC-0279

<a href="#">Performance Analysis of a Boost Inverter with a Silicon Carbide Device for Commercial Applications</a>	Smith, Nadia; McCann, Roy; Makableh, Yahia; Vasan, Ramesh; Manasreh, Omar	2014-PSEC-0358
<a href="#">Performance Enhancement of Actively Controlled Hybrid DC Microgrid with Pulsed Load</a>	Farhadi, Mustafa; Mohammed, Osama	2014-PSEC-0280
<a href="#">Rural distribution meter failures in Colombia</a>	Cano-Plata, Eduardo; Soto, Oscar; Ustariz-Farfan, Armando; Younes, Camilo	2014-PSEC-0281
<a href="#">SAFETY SYSTEM WITH HARMLESS FIRST FAULT: COMPLETE &amp; MEDICAL IT-SYSTEM</a>	Parise, Giuseppe; Mazzetti, Carlo; Parise, Luigi; Fiamingo, Fabio	2014-PSEC-0294
<a href="#">Simulation and sensitivity analysis of a fuzzy-based building automation control system</a>	Parise, Giuseppe; Martirano, Luigi; Parise, Luigi; Manganelli, Matteo	2014-PSEC-0295
<a href="#">Snubber Circuit Design for Transformers in Urban High Rise Office Building</a>	Sutherland, Peter	2014-PSEC-0363
<a href="#">Speed Sensorless Based Adaptive Maximum Power Point Tracking Control of IPM Synchronous Wind Generator</a>	Uddin, Mohammad; Patel, Nirav	2014-PSEC-0490
<a href="#">Stability Robustness Analysis and its Improvement for an Industrial Microgrid</a>	Renjit, Ajit Anbiah; Illindala, Mahesh; Yedavalli, Rama	2014-PSEC-0382
<a href="#">What is RCM and How Could it be Applied to the Critical Loads?</a>	Schuerger, Robert; Arno, Robert G.; Dowling, Neal; Fairfax, Stephen; Weber, Joe	2014-PSEC-0364
<a href="#">WISE PORT &amp; BUSINESS ENERGY MANAGEMENT: PORT FACILITIES, ELECTRICAL POWER DISTRIBUTION</a>	Parise, Giuseppe; Parise, Luigi; Martirano, Luigi; Chavdarian, P. (Ben); Su, Chun-Lien; Ferrante, Andrea	2014-PSEC-0290

### **Power System Protection Committee**

<a href="#">An MVDC Microgrid for a Remote Area Mine Site: Protection, Operation, and Control</a>	Yuan, Chen; Haj-ahmed, Mohammed; Illindala, Mahesh	2014-PSPC-0486
<a href="#">Influence of Power Electronic Converters on Current-Voltage Behaviors During Faults in DGU-s - Part I: Wind Energy Conversion Systems</a>	Saleh, Saleh; Aljankawey, A. S.; Abu-Khaizaran, Muhammad; Sayid, B.	2014-PSPC-0482
<a href="#">Influence of Power Electronic Converters on Current-Voltage Behaviors During Faults in DGU's - Part II: Photovoltaic Systems</a>	Saleh, Saleh; Aljankawey, A. S.; Sayid, B.; Abu-Khaizaran, Muhammad	2014-PSPC-0483
<a href="#">Instantaneous Apparent Power-Based Anti-Islanding for Distributed Co-Generation Systems</a>	Saleh, Saleh; Aljankawey, A. S.; Meng, Ryan; Meng, Julian	2014-PSPC-0484
<a href="#">Loss-of-Excitation Protection and Underexcitation Controls Correlation for Synchronous Generators in a Real Time Digital Simulator</a>	Coelho, Aurelio L.M.; Carrer, Carlos; Guerrero, Carlos; Silveira, Paulo	2014-PSPC-0485
<a href="#">Study of Protection Strategy for Microgrid</a>	Zhang, Zhaoyun; Gong, Shilin; Feng, Yanzhao; Chen, Wei; Zhang, Zhe	2014-PSPC-0487