

EPECS'13 Conference Agenda

Wednesday, October 2, 2013

07.30-09.30

Registration and Reception (Registration is open during the conference)

Main Hall

09.30-10.00

Opening Ceremonies (Turkish Music Concert)

10.00--10.30

Opening Speech1 - Chair (Mugdesem Tanrioven, YTU)

Opening Speech3 - Co Chair (Celal Kocatepe, YTU)

Opening Speech3 - Co Chair (Rached Dhaouadi, AUS)

Opening Speech3 - Honorary Chair (Ismail Yuksek, Rector, YTU)

10.30-11.15

Keynote Speaker1- Prof. Ralph M. Kennel, TUM (Predictive Control - The Powerful Method to Control Power Converters and Drives in the Future)

11.15-11.30

Coffee Break

11.30-12.15

Keynote Speaker2- Prof. Saifur RAHMAN, VA (Opportunities and Challenges of Deploying the Smart Grid)

12.15-12.45

Mehter Band Concert (Otađı Humayun Building)

12.45-13.00

Break at Otađı Humayun Building (Sightseeing)

13.00-14.00

Lunch Break

14.00-14.45

Keynote Speaker3- Prof. Frede Blaabjerg, AU (Key Technology for Renewable Energy Systems – Status and Future)

14.45-15.00

Coffee Break

15.00-15.45

Keynote Speaker4- Prof. Stanislaw M. Gubanski, TUW (Dielectric Response Diagnoses for Transformer Windings)

15.45-16.00

Coffee Break

16.00-17.40

Parallel Session-Main Hall
Electric Machines&Drives

Parallel Session-Hall A
Renewable Energy

Parallel Session-Hall B
Power Distribution

Parallel Session-Hall C
Power Electronics

17.40-19.00

Transportation to Gala Dinner

19.00-23.00

Gala Dinner

23.00-23.30

Transportation to Hotels

Thursday, October 3, 2013			
09.00-11.00	Parallel Session-Hall A Electric Machines&Drives	Parallel Session-Hall B High Voltage	Parallel Session-Hall C Power Distribution
11.00-11.20	Coffee Break		
11.20-13.20	Parallel Session-Hall A Power Electronics/ Electric Machines&Drives	Parallel Session-Hall B Power Systems	Parallel Session-Hall C High Voltage/ Power Systems
13.20-14.20	Lunch Break		
14.20-16.20	Parallel Session-Hall A Power Distribution/Smart Grid	Parallel Session-Hall B Energy Harvesting / Renewable Energy	Parallel Session-Hall C Electric Machines&Drives
16.20-16.40	Coffee Break		
16.40-18.40	Parallel Session-Hall A Renewable Energy/ Power Electronics	Parallel Session-Hall B Renewable Energy/ Smart Grid	Parallel Session-Hall C Power Electronics

Friday, October 4, 2013				
09.00-10.40	Parallel Session-Main Hall Smart Grid	Parallel Session-Hall A Power Systems	Parallel Session-Hall B Power Systems	Parallel Session-Hall C Power Electronics/ Renewable Energy
10.40-11.00	Coffee Break			
11.00-12.40	Parallel Session-Main Hall Renewable Energy	Parallel Session-Hall A Power Systems	Parallel Session-Hall B Power Systems	Parallel Session-Hall C Smart Grid
12.40-14.00	Coffee Break and Lunch Break			
14.00-16.00	Parallel Session-Hall A Electric Machines&Drives	Parallel Session-Hall B Electric Machines&Drives	Parallel Session-Hall C Power Systems/ Renewable Energy	Parallel Session-Hall D Electric Machines&Drives/ Renewable Energy
16.00-16.20	Coffee Break			
16.20-17.30	Transportation to Bosphorus Tour (On-site Registration Required)			
17.30-20.00	Bosphorus Tour			

Saturday, October 5, 2013	
10.00-17.00	Istanbul City Tour (On-site Registration Required)

EPECS 2013 PROGRAM DETAIL

Parallel Session-Main Hall (Electric Machines & Drives), October 2, 2013

Session Chair: Erkan Mese

Time	Paper Title	Authors
16.00-16.20	A New Approach for Temperature Rising Test of an Induction Motor Loaded by a Current Controlled Eddy Current Brake	Mehmet Onur GULBAHCE, Handan Nak, Ahmet Derya Kocabas, Istanbul Technical University
16.20-16.40	A Novel Feed-Forward Control of PMSM	Yusuf ALTUN, Balikesir University; Kayhan Gulez, Tarik Veli Mumcu, Yildiz Technical University; M. Özgür Kizilkaya, Turkish Air Force Academy
16.40-17.00	A Novel Microcontroller Based Speed Control Method Employing Current Controller for TWUSM	Altan Gencer, HURRIYET EML
17.00-17.20	A Study of Hybrid Excitation Axial Flux Motor Topology for Traction Electric Vehicle	Ademir Pelizari, Ivan Eduardo Chabu, University of Sao Paulo
17.20-17.40	Adaptive PID Controller Design by Using Adaptive Interaction Approach Theory	Tayfun Gundogdu, Istanbul Technical University; Guven KomÜrgoz, ITU

Parallel Session-Hall A (Renewable Energy), October 2, 2013

Session Chair: Haluk Gorgun

Time	Paper Title	Authors
16.00-16.20	A Comparison among Reactive Power Compensation Strategies in Wind Farm Power Plant	Vito Calderaro, University of Salerno; Gaspare Conio, Italian Vento Corporation Group; Roberto Fusco, ArcerolMittal; Vincenzo Galdi, University of Salerno
16.20-16.40	A Complementary Hybrid System for Electricity Generation Based on Solar and Wind Energy Taking into Account Local Consumption - Case Study	Ajla Merzic, Mustafa Music, Elma Redzic, Public Enterprise Electric Utility of Bosnia and Herzegovina
16.40-17.00	A Dynamic Model of a Grid Connected PV System based on Outdoor Measurement using Labview	Imane Drouiche, USTHB; Aissa Couder, Centre de Developpement des Energies Renouvelable; Samia Harrouni, USTHB
17.00-17.20	A Fuzzy Logic Controller for Reactive Power and PQ Bus Voltage Control	Farid Benhamida, UDL university of Sidi Bel Abbes; Slimane Souag, Irecom laboratory, dept. of electrotechnics; Yacine Salhi, UDL university of Sidi Bel Abbes; Amel GRAA, Department of Business Sciences, Faculty of economis,; Abdelber Bendaoud, UDL university of Sidi Bel Abbes; Djehaf Mohamed, University of Sidi bel abbes
17.20-17.40	A Novel Single-Phase Soft Switching Microinverter for Photovoltaic Applications	Saad Pervaiz, Muhammad Muneeb Ur Rehman, Ahmed Bilal Asghar, Nauman Zaffar, Lahore University of Management Sciences

Parallel Session-Hall B (Power Distribution), October 2, 2013

Session Chair: Walid ElKhattam

Time	Paper Title	Authors
16.00-16.20	A combined approach to multi-objective optimization of capacitor placement in radial distribution networks	Igor Trach, Institute of Electrodynamics NAS Ukraine; Yuri Zubiuk, Electrosphere Ltd.
16.20-16.40	A novel control method in Grid Interconnection of DG Based on Pulse Adaptive VSI in order to Harmonic Compensation and Power Quality Improvement	Reza Galandary, K.N.Toosi university of Technology; S. M. T. Bathaee, K. N. Toosi University of Technology
16.40-17.00	A Novel Energy Management System using Ant Colony Optimization for Micro-grids	Ayman Esmat, AAST; Amr Magdy, Walid ElKhattam, Ain Shams University; Ahmed M. ElBakly, Arab Academy for Science and Technology
17.00-17.20	A Novel Fuzzy Cause-and-Effect-Networks AND Fuzzy logic Based Methodology for a Distribution System's Fault Diagnosis	Muhammad Mustafa, AASTMT; Walid ElKhattam, Ain Shams University; Yasser Galal, Arab Academy for Science and Technology
17.20-17.40	Overhead Lines Maintenance Scheduling in Power Distribution System Considering Feeders Ranking	Hadi Ghasemabadi, Ali Peiravi, Ferdowsi University of Mashhad

Parallel Session-Hall C (Power Electronics), October 2, 2013

Session Chair: Faruk Bakan

Time	Paper Title	Authors
16.00-16.20	A new Fault Tolerant Scheme for Cascaded H-Bridge Multilevel Converter	Saeed Ouni, Sharif University of Technology; Negar Noroozi, Sharif University of Thechnology; Mahmoud Shahbazi, Mohammad Reza Zolghadri, Hashem Oraee, Sharif University of Technology
16.20-16.40	A Novel AC-AC Converter With Minimum Snubber Requirement	Subhajyoti Mukherjee, Sunit Kumar Saxena, Honeywell Technology Solutions Lab; Tarak Saha, Honeywell Technology Solutions
16.40-17.00	Adaptive Control with Tuning Function Control Design Applied to Class-E/F Inverter	Zerouali Sakina, University of Batna; Hadri Hamida Amel, University of Constantine; Mimoune souri mohamed, University of Biskra
17.00-17.20	An Improved Lossless Passive Snubber Cell for PFC Boost Converter	Huseyin Yesilyurt, Yildiz Technical University; Hatice Ozel, Askaynak; Hacı Bodur, YTU
17.20-17.40	Analysis of a Modular Multilevel Inverter Under the Predicted Current Control Based on Finite-Control-Set Strategy	Razieh Nejati Fard, Hamed Nademi, Lars Norum, Norwegian University of Science and Technology (NTNU),

Parallel Session-Hall A (Electric Machines&Drives), October 3, 2013

Session Chair: Ahu Ece Hartavi

Time	Paper Title	Authors
09.00-09.20	Analysis of Heteropolar Inductor Machines Based on Space Vectors	Jingzhe Wu, Martin J Balchin, University of Bath
09.20-09.40	CAD of Electrical Machines Using Coupled FEMM-MATLAB Softwares	Benamimour Tariq, LGEC, Dept. Electrotechnique, Universit� Constantine 1; Amar Bentounsi, Hind Djeghloud, Electrotechnics Laboratory, University Mentouri of Constantine
09.40-10.00	Validation of Sequence Circuits Useful for Split-Phase Current Signature Analysis (SPCSA) and Diagnosis of Eccentric-Rotor Traction Cage Motors	Claudio Bruzzese, University of Rome
10.00-10.20	Command Filtered Adaptive Backstepping Control of Linear Servo	Jacek Kabzinski, Institute of Automatic Control, Lodz University of Technology
10.20-10.40	Comparative Design of Direct Drive PM Synchronous Motors in Gearless Elevator Systems	Yusuf Ya�a, Hicret Yeti�, Hande Boztepeli, Yildiz Technical University; Erkan Mese, Yildiz Technical University
10.40-11.00	Diagnosis-Oriented Sequence Circuit-Based Modeling of Eccentric Rotor Traction Induction Motors Accounting for Cage Damping and Split-Phase Currents	Claudio Bruzzese, University of Rome

Parallel Session-Hall B (High Voltage), October 3, 2013

Session Chair: Essam A. Al-Ammar

Time	Paper Title	Authors
09.00-09.20	Accurate Partial Discharge Classification from Acoustic Emission Signals	Mustafa Harbaji, Dr. Ayman El-Hag, American University of Sharjah; Dr. Khaled Shaban, Qatar University
09.20-09.40	Analysis of the Coupling of a Lightning Wave with an Overhead Line	Labeled Djamel, Boumaiza Mustafa, Constantine University
09.40-10.00	Arc quenching Equations Solving in HV Circuit Breakers by a General Diagram Bloc Model	ZIANI Abderrahmane, MOULAI Hocine, USTHB, University of Science and Technology Houari Boumediene, Algiers
10.00-10.20	Dynamic Analysis of a Telecommunication Station Grounding System, Applying the TLM Method	Thair Ibrahim Mustafa, Hugo D. Almaguer, University of Blumenau; Luiz Henrique Meyer, University of Blumenau - Fund Universidade Regional de Blumenau - FURB; Sergio Henrique Cabral, Johann Eduardo Baader, University of Blumenau; Jose de Anchieta J. Jr, CEEE-GT
10.20-10.40	Improvement of Thermal Performance of 36 kV DAF-30 Type Bushing	Ilim ERDEN, Aydogan OZDEMIR, Suat ILHAN, ITU
10.40-11.00	Insulator Contour Optimization Using Intelligent Systems & Soft Computational Methods	Aytu� Font, Istanbul Technical University; �zcan Kalenderli, Istanbul Technical University Electrical Engineering Department

Parallel Session-Hall C (Power Distribution), October 3, 2013

Session Chair: Magdy Salama

Time	Paper Title	Authors
09.00-09.20	Energy Storage for Microgrids Islanding Operation	Ahmed Awad, University of Waterloo; Tarek EL-Fouly, Natural Resources Canada; Magdy Salama, University of Waterloo
09.20-09.40	Flexible DG Interface Using Repetitive Control	Amr Said, E. F. El-Saadany, University of Waterloo
09.40-10.00	Fuzzy-Based Control of On-Load Tap Changers under High Penetration of Distributed Generators	Maher Abdelkhalek, University of Waterloo; Hany Farag, York University; E. F. El-Saadany, University of Waterloo
10.00-10.20	Power Quality Measurement and Evaluation of a Wind Farm Connected to Distribution Grid	Fatih KECECIOGLU, University of Kahramanmaras Sutcu Imam; mustafa Şekkeli, university of Kahramanmaras sutcu imam; Hakan ACIKGOZ, University of Kilis 7 Aralik; Ceyhun YILDIZ, Electrical Power Resources Survey and Development
10.20-10.40	Design and Analysis of Composite Filter for Power Quality improvement of Electric Arc Furnace	Deepak Bhonsle, R B Kelkar, Maharaja Sayajirao University of Baroda
10.40-11.00	Voltage Control Using Coordinated Control of Heat Pump Water Heater with Large Penetration of Photovoltaic Systems	Mohamed Mufaris, The University of Tokyo

Parallel Session-Hall A (Power Electronics/ Electric Machines&Drives), October 3, 2013

Session Chair: Seref Naci Engin

Time	Paper Title	Authors
11.20-11.40	Analysis of Waveform Approximation for the AC Current of a Line-Commutated Converter	Mehdi Daryabak, Shaahin Filizadeh, University of Manitoba
11.40-12.00	Comparison between Reliability Prediction Methods for Power Electronic Circuits	Ayoub Balador, Sharif University of Technology; Negar Noroozi, Sharif University of Thechnology; Mohammad Reza Zolghadri, Sharif University of Technology; Saeed Ouni, Sharif University of Thechnology
12.00-12.20	DC/DC Converters for High Power Application: A Survey	Amel Lachichi, ABB Corporate Research Centre
12.20-12.40	Power Converters Variable Structure Control surface design	Bashar khasawneh, Maha Sabra, M.A Zohdy, Oakland University
12.40-13.00	Investigating Converter Options for Automotive Grade Permanent Magnet Synchronous Generators	Erkan Mese, Yildiz Technical University; Yusuf YaŞa, Hakan Akça, Yildiz Technical University; Mustafa Gurkan Aydeniz, YILDIZ TECHNICAL UNIVERSITY; Murat Ayaz, Kocaeli University; Murat Tezcan, YTU
13.00-13.20	Experimental Verification of Torque Ripple Calculation for Induction and Synchronous Motor	Tetsuya Kojima, Mitsubishi Electric; Haruyuki Kometani, Mitsubishi Electric Co.; Mitsuhiro Kawamura, Yuichi Tsuboi, Ritaka Nakamura, Hiroyuki Masuda, Yoshihiro Ohgashi, Toshiba Mitsubishi-Electric Industrial Systems Co.

Parallel Session-Hall B (Power Systems), October 3, 2013

Session Chair: Aslan İnan

Time	Paper Title	Authors
11.20-11.40	A New Approach for optimal reactive power flow solution of multi-terminal hvdc systems using genetic algorithm	Ulaş Kılıç, University of Mehmet Akif Ersoy; Kürşat Ayan, University of Sakarya
11.40-12.00	A Reliability Study Of Medium Voltage Grid With Private Sector Power Plants	Levent Kılıç, Türkiye Şişe ve Cam Fabrikaları A.Ş.
12.00-12.20	Analysis of Various Transmission Line Switching Overvoltage Limitation Techniques	Shahab Tanhaeidilmaghani, Semko Golabi, Heresh Seyedi, University of Tabriz
12.20-12.40	Congestion Effects on Regional & System Emission and Consumers Allocated Cost	Mahdi Pourakbari Kasmaei, Marcos Julio Rider Flores, Jose Roberto Sanches Mantovani, Universidade Estadual Paulista (UNESP)
12.40-13.00	Design of an IIR Digital Filter for Phasor Measurement Improvement Based on a Hybrid Optimization Algorithm	Abdelmadjid Recioui, Abderrahmane Ouadi, Hamid Bentarzi, University of Boumerdes

Parallel Session-Hall C (High Voltage/Power System), October 3, 2013

Session Chair: Luiz Henrique Meyer

Time	Paper Title	Authors
11.20-11.40	Breakdown Voltage Analysis of Insulating Oils Under Different Conditions	Celal Kocatepe, Oktay Arıkan, Eyüp TASLAK, Celal Fadıl Kumru, Yıldız Technical University
11.40-12.00	Multi-Purpose RF Antenna for Partial Discharge and Oil Quality Monitoring	Dr. Ayman El-Hag, Naser Qaddoumi, American University of Sharjah; Esam Al Murawwi, TRANSCO; Rida Mourtada, American University of Sharjah
12.00-12.20	Parametric Analysis of Overvoltages Caused by Back-flashover In "Siah-bishe" 400kV GIS Substation	Mehdi Babaei, Faraniroo Company; Maziar Babaei, Mohsen Niasati, Semnan University
12.20-12.40	Salt Fog Testing of Glass Insulators with Different Surface Conditions	Luiz Henrique Meyer, University of Blumenau - Fund Universidade Regional de Blumenau - FURB; Wagner Werner Beyer, University of Blumenau; Fernando Hidalgo Molina, CELESC Distribuição S.A.
12.40-13.00	Extended Pruning-Grafting Operators for Efficient Distribution Network Reconfiguration	Saeed RamezanJamaat, Youhei Akimoto, Hernan Aguirre, Kiyoshi Tanaka, Shinshu University
13.00-13.20	Design of Power System Stabilizers Based on $\hat{\mu}$ -Controller for Power System Stability Enhancement	Dr. Khaled Ellithy, Samer Said, Osama Elkahlout, Qatar University

Parallel Session-Hall A (Power Distribution/Smart Grid), October 3, 2013

Session Chair: Ehab El-Saadany

Time	Paper Title	Authors
14.20-14.40	Probabilistic Modeling of PHEV charging load in distribution systems	Mostafa Shaaban, E. F. El-Saadany, University of Waterloo
14.40-15.00	Residential Load Harmonics in Distribution Grid	Jaan Niitsoo, Ivo Palu, Jako Kilter, Paul Taklaja, Tallinn University of Technology
15.00-15.20	Self-healing Restoration of a Distribution System Using Hybrid Fuzzy Control/Ant-Colony Optimization Algorithm	Mohamed Zaki, Arab Academy For Science and Technology; Walid ElKhattam, Ain Shams University; Dr. Rania metwally El-Sharkawy, The Arab Academy for Science and Technology and Maritime Transport
15.20-15.40	A Non-Intrusive Load Monitoring System Based on A Cascaded Method	Kuo Lung Lian, Kuan Sheng Tung, National Taiwan University of Science and Technology
15.40-16.00	Determination of Worst Case Loading Margin of Droop-Controlled Islanded Microgrids	Morad Abdelaziz, E. F. El-Saadany, University of Waterloo
16.00-16.20	Feasibility Study Of An Intentional Islanding Operation With A New Adaptive Load Shedding	Hasmaini Mohamad, University Technology MARA; Hazlie Mokhlis, Ab Bakar Abu Bakar, Mazaher Karimi, University of Malaya; Nofri NY Dahlan, University of Technology MARA

Parallel Session-Hall B (Energy Harvesting/Renewable Energy), October 3, 2013

Session Chair: Hakan Pasa Partal

Time	Paper Title	Authors
14.20-14.40	Battery Characterization for Vehicular Applications Using Hardware-in-Loop Real-Time Simulation	Damon Bazargan, Shaahin Filizadeh, Garry Bistyak, University of Manitoba
14.40-15.00	Human Motion Energy Harvesting by Design of Handheld Linear PM Synchronous Generator	Mohammad Hossain Mohammadi, Majid Poshtan, American University in Dubai
15.00-15.20	Investigation on the performance of direct borohydride fuel cell by using statistical approach	Fatma Gül BOYACI SAN, Osman OKUR, Çiğdem İYİĞÜN KARADAĞ, Işıl IŞIK GÜLSAÇ, Emin OKUMUŞ Fatma, TUBITAK Marmara Research Center
15.20-15.40	Research on Electric Energy Harvesting from High Voltage Transmission Line	Min Yao, Min Zhao, Nanjing University of Aeronautics and Astronautics
15.40-16.00	Hardware-in-Loop Real-Time Simulation of a Battery Storage System in a Wind Generation Scheme	Damon Bazargan, Shaahin Filizadeh, University of Manitoba
16.00-16.20	Experimental Verifications of Offshore Marine Substation for Grid-Connection of Wave Energy Farm	Rickard Ekström, Senad Apelfröjd, Mats Leijon, Uppsala University

Parallel Session-Hall C (Electric Machines&Drives), October 3, 2013

Session Chair: Aydın Yesildirek

Time	Paper Title	Authors
14.20-14.40	Design of a Mechanical Load Simulator Having an Excitation Current Controlled Eddy Current Brake	Mehmet Onur GULBAHCE, Handan Nak, Ahmet Derya Kocabas, Istanbul Technical University
14.40-15.00	Design and Implementation of Current based Vector Control Model of Brushless Doubly Fed Induction Generator	Farid Khazaeli, Hamed Gorginpour, Saeed Ounie, Amirhosein Hajbabaei, Hashem Oraee, Sharif University of Technology
15.00-15.20	Feature Form Extraction and Optimization of Induction Machine Faults Using PSO Technique	Ammar Medoued, Universite du 20 Aout 1955-Skikda; Abdelaziz Laifa, universite du 20 Aout 1955-Skikda
15.20-15.40	Elimination The Centrifugal Switch in Single-Phase Induction Motor(SPIM) to Increase Torque and Efficiency	Sobhan Sobhani, University of mazandaran, Iran; Mohammad Ebrahim Talebian, Managing Director (MD) of neka power plant, iran; Hoseyn Vafai Nejad, University of Mazandaran, Iran
15.40-16.00	IRFOC vs DTC Performance Comparison Analysis	Salah eddine Rezgui, University of Constantine 1; Adel MEHDI, university of Constantine 1; Said Legrioui, Houssemeddouce, Abdelmalek Boulahia, University of Constantine 1; Hocine Benalla, Electrotechnics Laboratory, University Mentouri of Constantine
16.00-16.20	Experimental Validation on Stator Fault Detection via Fuzzy Logic	Hamid Fekri Azgomi, Iran University of Science and Technology; Dr. Javad Poshtan, Iran University of Science and Technology; Majid Poshtan, American University in Dubai

Parallel Session-Hall A (Renewable Energy/Power Electronics), October 3, 2013

Session Chair: Bünyamin Tamyürek

Time	Paper Title	Authors
16.40-17.00	Active Damping Control of DFIG Wind Turbines during Fault Ride Through	Hao Xu, IEE,CAS
17.00-17.20	Comparative Study of Adding PV/Wind Energy Systems to Autonomus Micro Grid	Eman Beshr, Arab Academy for science and Technology
17.20-17.40	Coordinated Control of On-Load Tap Changer and D-STATCOM for Voltage Regulation of Radial Distribution Systems with DG Units	B. Bakhshideh Zad, j. Lobry, and F. Vallée Bashir, Department of Electrical Power Engineering, University of Mons
17.40-18.00	Dynamic Fault Analysis for Type-3 and Type-4 Generic Wind Turbine Generator Models using Matlab/Simulink	Tareq Saber Abuaisha, TU Darmstadt; Oliver Scheufeld, Julian Langstaedtler, FGH e.V. Aachen; Albert Moser, IAEW, RWTH-Aachen; Jutta Hanson, E5, TU Darmstadt
18.00-18.20	Using the Input Characteristic Impedance of a Static Converters for MPPT PV Systems	Jefferson Zanotti, Federal University of Santa Catarina; Walbermark Marques dos Santos, University of Santa Catarina; Denizar C. Martins, Federal University of Santa Catarina
18.20-18.40	Design and Simulation of a High Power Quality Regenerative PWM Rectifier System for 1 MW Electric Locomotives	Koray SEPETCI, Bünyamin Tamyürek, Eskisehir Osmangazi University

Parallel Session-Hall B (Renewable Energy/Smart Grid), October 3, 2013

Session Chair: Magdy Salama

Time	Paper Title	Authors
16.40-17.00	Modeling of PV Based Distributed Generation in LV Feeders for Diverse Load Patterns considering Reverse Power Flow Control	Mehmet Hazar Cintuglu, Osama A. Mohammed, Florida International University
17.00-17.20	A New Power Line Communication Modem Design with Applications to Vast Solar Farm Management	Fawzi Al-Naima, Nahrain University; Ramzy S. Ali, Ahmed J. Abid, Basrah University; Z. Ghassemlooy, Zhiwei Gao, Northumbria University, UK
17.20-17.40	Performance of a power plant with Fresnel Concentrator that has Average Power in Algerian sites	H. BELTAGY, D. Semmar, Saad Dahlab University; N. Said, Centre of development of the renewable energies EPST/CDER Bouzaréah
17.40-18.00	Linear Quadratic Gaussian (LQG) Control of Wind Turbines	Abdulrahman Kalbat, Columbia University in the City of New York
18.00-18.20	New Hybrid System of Fuel Cell Power Plant and Wind Turbine for Household Consumption	Mohammad Ebrahim Talebian, Managing Director (MD) of neka power plant, iran; Sobhan Sobhani, University of mazandaran, Iran; Arjang Borzooi, University of Mazandaran, Iran
18.20-18.40	Optimization of a PV/microturbine hybrid system for tropical climates	Mahmoud Ismail, University of Malaya; Mahmoud moghavvemi, Center of research and applied electronics; T.M. Indra, Department of Mechanical Engineering, University of Malaya

Parallel Session-Hall C (Power Electronics), October 3, 2013

Session Chair: Evren İsen

Time	Paper Title	Authors
16.40-17.00	Harmonic Filtration by Current Injection and Shunt Capacitors Technique	Mohamed Tarnini, Beirut Arab University
17.00-17.20	Harmonic Network Impedance Identification with Pulse Response Analysis	Michael Jordan, Trung Do Thanh, Hauke Langkowski, Detlef Schulz, Helmut-Schmidt-University Hamburg
17.20-17.40	Investigating DC Link Current Ripple and PWM Modulation Methods in Electric Vehicles	Onur Satılmış, Yıldız Teknik Üniversitesi; Erkan Mese, Yıldız Technical University
17.40-18.00	Reliability Assessment of Some High Side MOSFET Drivers for Buck Converter	Vahid Javadian, Sharif University of Technology; Shahriyar Kaboli, Assistant Professor
18.00-18.20	Sliding mode control applied to UPS inverter using norm of the state error	Hamza Makhamreh, Osamn Kukrer, Eastern Mediterranean University
18.20-18.40	Stability Analysis of Adaptive method for speed sensorless associated with the IFOC Control of Induction Motor	Berrissoul Somia, Laboratory Department of Electrical Engineering, ENSET oran; Abderrahmane BOUHENNA, the laboratory of automatic and analysis systems at ENSET

Parallel Session-Main Hall (Smart Grid), October 4, 2013

Session Chair: Ehab El-Saadany

Time	Paper Title	Authors
09.00-09.20	High Frequency Power Assessment on Overhead Transmission Lines	BOUDJEMAA Abdelkrim, NACER Azzeddine, BERBAR Tarik, USTHB, University of Science and Technology Houari Boumediene, Algiers
09.20-09.40	IEC 61850 and Smart Grids	Ahmed Elgargouri, College of Electrical and Electronics Technology, Benghazi, Libya; Mohamed Elfituri, Barrett Broadband Wireless Networks; Mohammed Elmusrati, University of Vaasa
09.40-10.00	Multi-stage PHEV smart coordination in distribution	Mostafa Shaaban, University of Waterloo; Elham Akhavan, 1- Islamic Azad University, South of Tehran Branch; E. F. El-Saadany, University of Waterloo
10.00-10.20	Novel Diverse Scheme to Enhance Demand Response (DR)	Afan Bahadur Khan, KING SAUD UNIVERSITY; Imthias Ahamed, King Saud University; Syed Qaseem Ali, Saudi Aramco Chair in Electrical Power; Essam A. Al-Ammar, King Saud University
10.20-10.40	Optimal Substation PMU Placement Method for the Two-Level State Estimator	Heloisa H. MÜller, Carlos A. Castro, University of Campinas

Parallel Session-Hall A (Power Systems), October 4, 2013

Session Chair: Ayman El-Hag

Time	Paper Title	Authors
09.00-09.20	Hybrid GM(1,1)-NARnet One Hour ahead Wind Power Prediction	Fatemeh Marzbani, Ahmed Osman, Mohamed Hassan Mohamed, American University of Sharjah; Aboelmagd Noureldin, Royal Military College of Canada
09.20-09.40	Identification of Key Transmission Lines in Power Grid Using Modified K-core Decomposition	Xiangyu Zhang, Dept. of Electrical Engineering, Tsinghua University; Feng Liu, Rui Yao, Tsinghua University; Xuemin Zhang, Mei Shengwei, Dept. of Electrical Engineering, Tsinghua University; Zhen'an Zhang, Xiaomeng Li, HAEPC Electric Power Research Institute
09.40-10.00	Impact of Distributed Generation in Transmission Network Expansion Planning Problem	Chandrakant Rathore, S.V.national Institute of Technology, Surat; Dr Ranjit Roy, National Institute of Technology, Surat
10.00-10.20	Impedance Based Fault Location Method for HVDC Transmission Line	Mohammadmehdi Kamali, Javad Sadeh, Ferdowsi University of Mashhad; Yaser Damchi, Ferdowsi University Mashhad
10.20-10.40	Matrix converter based unified power flow controllers(UPFC)	Atheena A, Amritha S, AMRITA VISHWA VIDYAPEETHAM

Parallel Session-Hall B (Power Systems), October 4, 2013

Session Chair: Ahmed Osman

Time	Paper Title	Authors
09.00-09.20	Integrated planning model of generation and transmission expansion for offshore oil-field power system	David Sun, Xiaorong Xie, Tsinghua University; Jianfeng Wang, Che Wei, Guofeng Liu, Qiang Li, China National Offshore Oil Corporation
09.20-09.40	Intelligent reserve management with high penetration of wind power	Liu Jin, Yu Jilai, Liu Zhuo, Harbin Institute of Technology; Liu Guangyi, China Electric Power Research Institute
09.40-10.00	Load Uncertainty Based Transmission Network Expansion Planning	Chandrakant Rathore, S.V.national Institute of Technology, Surat; Dr Ranjit Roy, National Institute of Technology, Surat
10.00-10.20	Transmission Expansion Planning Via a Constructive Heuristic Algorithm in Restructured Electricity Industry	Hamid Khorasani, Universidade Estadual Paulista Ilha Solteira-SP, Brazil
10.20-10.40	Transmission Swtiching to Relieve Voltage Violations	G.J. Liu, Shandong University

Parallel Session-Hall C (Power Electronics/Renewable Energy), October 4, 2013

Session Chair: Bülent Vural

Time	Paper Title	Authors
09.00-09.20	Stable Operation of Grid Connected Cascaded H-Bridge Inverter under Unbalanced Insolation Conditions	Abbas Eskandari, University of Tehran; Vahid Javadian, Sharif University of Technology; Milad Yadollahi, University of Tehran
09.20-09.40	Steady-State and Dynamic Performance of Asynchronous Back-To-Back VSC HVDC Link	Djehaf Mohamed, University of Sidi bel abbes; Zidi Sid Ahmed, Djillali Liabes University of Sidi Bel-Abbes; Djilani Kobibi Y, Intelligent Control and Electrical Power System Laboratory; Slimane Souag, UDL university of Sidi Bel Abbes
09.40-10.00	Thyristor Controlled Rectifiers (TCR) for traction - problems and solutions	Vitaly Gelman, VG Controls
10.00-10.20	Analytical Comparison between Two Topologies of a Series Resonance Inverter from Class D	Labiod Mokhtar, IKHLEF Nabil, ALLAG Hichem, University of JIJEL
10.20-10.40	PSCAD Simulation of Grid-Tied Photovoltaic Systems and Total Harmonic Distortion Analysis	Abdulrahman Kalbat, Columbia University in the City of New York

Parallel Session-Main Hall (Renewable Energy), October 4, 2013

Session Chair: Ugur Savas Selamogullari

Time	Paper Title	Authors
11.00-11.20	Overview of Maximum Power Point Tracking Control Methods for PV Systems	Saleh Babaa, Dr. Matthew Armstrong, Newcastle University; Volker Pickert, University of Newcastle
11.20-11.40	Renewables and Plug in Electric Vehicles Modeling on Electricity and Gas Infrastructures Scheduling in Presence of Responsive Demand	Mahmoud-Reza Haghifam, Samaneh Pazouki, Islamic Azad University (IAU), South Tehran Branch; Samira Pazouki, Islamic Azad University (IAU), Qazvin Branch
11.40-12.00	Simulation and Dynamic Control of a Hybrid System for Controlling the Voltage and Frequency of an Island Network	Behrooz Ghahremani, Najaf Abad Branch, Islamic Azad University; Saed Abazari, Shahrekord University; Ghazanfar Shahgholian, Islamic Azad University - Najaf Abad Branch
12.00-12.20	Sustainability Assessment for an Isolated Micro-Grid using Hybrid-DG System (Case Study in Marsa Alam, Egypt)	Ibtihal Zahran, Arab Academy for Science and Technology; Eman Beshr, Arab Academy for science and Technology
12.20-12.40	Techno-Economic Analysis on Using Battery Storage System with Household PV Panels	Hamed Naderi Rad, Javad Sadeh, Ferdowsi University of Mashhad

Parallel Session-Hall A (Power Systems), October 4, 2013

Session Chair: Majid Poshtan

Time	Paper Title	Authors
11.00-11.20	Multi-Gene Genetic Programming for Short Term Load Forecasting	Wael Ghareeb, E. F. El-Saadany, University of Waterloo
11.20-11.40	New Algorithm to Detect Balanced Three Phase Fault during Power Swing on Transmission Lines with Communication Links	Mohammed H. Qais, Saad M. Alghuwainem, King Saud University
11.40-12.00	New Reliability Index for Power System Protection based on Multi-Agent Technique	Nadheer A. Shalash, University Malaysia Pahang; Abu Zaharin Bin Ahmad, University Malaysia Pahang
12.00-12.20	Online Voltage Stability Monitoring Based on PMU Measurements and System Topology	Dinh Thuc Duong, Kjetil Uhlen, Norwegian university of science and technology
12.20-12.40	Optimal FACTS Location to Enhance Voltage Stability Using Multi-objective Harmony Search	Abdelaziz Laifa, universite 20 Aout 1955-Skikda; Ammar Medoued, Universite 20 Aout 1955-Skikda

Parallel Session-Hall B (Power Systems), October 4, 2013

Session Chair: Güven Kömürçöz

Time	Paper Title	Authors
11.00-11.20	Optimal PID Tuning for Load Frequency Control Using Lévy-Flight Firefly Algorithm	Iraj Faraji, Mahmoud Reza Shakarami, University of Lorestan; Iraj Asghari; Mohsen Akbari, University of K.N. Toosi
11.20-11.40	Profit Based Unit Commitment Using Gbest Artificial Bee Colony Algorithm	Dr Ranjit Roy, National Institute of Technology, Surat
11.40-12.00	Real Time Implementation of H_∞ Loop Shaping Robust PSS for Three-Machine Power System using dSPACE	Jayapal Reddy, R.V.College of Engineering; J K. Mendiratta, MVJ College of Engineering
12.00-12.20	Sensitivity Analysis for the IEEE 30 Bus System using Load-Flow Studies	Ayman Faza, Princess Sumaya University of Technology; Ibrahim Totonchi, PSUT
12.20-12.40	Sequence Hybrid Calculation Technique - An Approach for Clustering Power Systems Analysis	Paramet Wirasanti, South Westphalia University of Applied Sciences/Campus Soest; Egon, Ortjohann; Marius Hoppe, Hakam Saffour, South Westphalia University of Applied Sciences/Campus Soest; Danny Morton, University of Bolton

Parallel Session-Hall C (Smart Grid), October 4, 2013

Session Chair: Mustafa Baysal

Time	Paper Title	Authors
11.00-11.20	Short Term Economical Scheduling in an Energy Hub by Renewable and Demand Response	Samaneh Pazouki, Islamic Azad University (IAU), South Tehran Branch; Mahmoud-Reza Haghifam, Tarbiat Modares University; Samira Pazouki, Islamic Azad University (IAU), Qazvin Branch
11.20-11.40	Smart Charging of Electric Vehicles using Adaptive Fuzzy Logic	Muhammad Ansari, Ali T. Al-Awami, KFUPM; Eric Sortomme, Alstom Grid; Mohammad Abido, King Fahd University of Petroleum and Minerals
11.40-12.00	Smart Insular Grids: Opportunities and Challenges	Ozan Erdinc, Joao P. S. Catalao, University of Beira Interior; Mehmet Uzunoglu, Ali Rifat Boynuegri, Yildiz Technical University
12.00-12.20	Very Short Term Solar Irradiance Prediction for A Microgrid System in Taiwan based on Hybrid of Support Vector Regression and Grey Theory	Sryang Tera Sarena, Kuo Lung Lian, National Taiwan University of Science and Technology
12.20-12.40	A Novel Algorithm for Aggregated Demand Response Strategy for Smart Distribution Network	Muhammad Babar, Saudi Aramco Chair In Electrical Power, King Saud University

Parallel Session- Hall A (Electric Machines&Drives), October 4, 2013

Session Chair: Sibel Zorlu Partal

Time	Paper Title	Authors
14.00-14.20	Lifecycle-Based Design and Optimization of Electrical Motor-Drives – Challenges and Possibilities	Toomas Vaimann, Ants Kallaste, Aleksander Kilk, Tallinn University of Technology; Anouar Belahcen, Aalto University
14.20-14.40	Lyapunov Function-Based Control of Active Power Filters to Reduce the Adverse Effects of Harmonics on Induction Motors	Ibrahim Aliskan, Bulent Ecevit University; Kayhan Gulez, Yildiz Technical University; Gurkan Tuna, Trakya University; M. Özgür Kizilkaya, Turkish Air Force Academy
14.40-15.00	Modeling and Simulation of Rotor Bar Skew in Induction Motor Based on Modified Winding Function Method	Harir Miloud, University of Sciences and Technology of Oran (USTO) Algeria; Chaouch Abdellah, University of Mostaganem; Bendiabdellah Azeddine, Benouzza Noredine, University of Sciences and Technology of Oran (USTO)
15.00-15.20	Optimal design of geometrical and physical parameters of permanent magnet machines in the purpose to reduce its vibratory behavior	Nassira Ferkha, M.Rachid Mekideche, Jijel university; abdellatif Miraoui, François Peyraut, Abdoul Ousman, University of Belfort
15.20-15.40	Robust Sliding Mode Observer/Controller of Wind Energy Conversion System Based on DFIG Fed by a Matrix Converter	Abdelhak DJOUDI, Centre de developpement des energies renouvelables; H CHEKIREB and EM BERKOUK, Ecole nationale polytechnique
15.40-16.00	Effect of the Tap Winding Configurations on the Electromagnetic Forces Acting on the Concentric Transformer Coils	Güven Komürgoz, ITU; Tayfun Gundogdu, Istanbul Technical University

Parallel Session-Hall B (Electric Machines&Drives), October 4, 2013

Session Chair: Rached Dhaouadi

Time	Paper Title	Authors
14.00-14.20	Speed Control of Induction Motor Based on Model Reference Adaptive Control Using Experimental Approach	Hakan ACIKGOZ, University of Kilis 7 Aralik; Fatih KECECIOGLU, University of Kahramanmaras Sutcu Imam; Ceyhun YILDIZ, Electrical Power Resources Survey and Development; mustafa Şekkel, university of Kahramanmaras sutcu imam
14.20-14.40	Transient Model Parameters Identification of Transformer Based on PSO Algorithm	Mohammad Valii, Islamic Azad University, Zanjan; Mehdi Bideli, Farid Hojjatiparast, Islamic Azad University
14.40-15.00	Combined Vector and Direct Thrust Control of Linear Induction Motors	Hossein Karimi, Sadegh Vaez-zadeh, University of Tehran; Farzad Rajaei Salmasi, UNIVERSITY OF TEHRAN
15.00-15.20	Vibration Suppression in Elastic Drive Systems Using the Immersion and Invariance Methodology	Irfan Ullah Khan, Rached Dhaouadi, American University of Sharjah
15.20-15.40	Voltage Stability Assessment of a Real Power System Using a Detailed Dynamic Load Model	Salha Ali Al Disi, Manager System Analysis - Dubai Electricity and Water Authority; Ahmed Osman, American University of Sharjah; Awad Ibrahim, DEWA
15.40-16.00	Excitation Current Control of A Claw Pole Automotive Alternator	M. Gökay Unutulmaz, Istanbul Technical University; Lale T. Ergene, ITU

Parallel Session-Hall C (Power Systems/Renewable Energy), October 4, 2013

Session Chair: Arif KARAKAS

Time	Paper Title	Authors
14.00-14.20	Solution to Economic Emission Load Dispatch Problem Using Modified Artificial Bee Colony Algorithm	Dr Ranjit Roy, National Institute of Technology, Surat
14.20-14.40	The Application of Simple Thermal Models to Improve Dynamic Load Models	Colin Christy, Yongli Zhu, Iowa State University
14.40-15.00	Transient stability constrained optimal power flow solution of ac-dc systems using genetic algorithm	Ulaş Kılıç, University of Mehmet Akif Ersoy; Kürşat Ayan, University of Sakarya
15.00-15.20	Performance Analysis and Economic Evaluation of a Solar Power Tower in Algeria	boudaoud Salah, University of Boumerdes; Khellaf Abdallah, CDER, Route de lâ€™observatoire, Bouzareah, Alger.; Kamal Mohammedi, MESOteam/LEMI, M. Bougara University Boumerdes.
15.20-15.40	Techno-economic Optimization of Hybrid PV/Wind/Battery/Diesel System Considering Effects of Wind Turbine Parameters on Optimal Wind Turbine Selection Using Genetic Algorithm	Abdullrahman Al-Shamma'a, Khaled E. Addoweesh, King Saud University
15.40-16.00	Voltage Drifting Method as an Islanding Detector for Grid Connected PV System	Ebadollah Kamyab, Javad Sadeh, Ferdowsi University of Mashhad

Parallel Session-Hall D (Electric Machines&Drives/Renewable Energy), October 4, 2013

Session Chair: Oktay Arıkan

Time	Paper Title	Authors
14.00-14.20	Battery/UC Hybridization for Electric Vehicles via a Novel Double Input DC/DC Power Converter	Furkan Akar, University of Duzce; Bülent Vural, Yildiz Technical University
14.20-14.40	Servo Motor Driver Design for High Performance Applications	Yusuf Yaa, Yildiz Technical University; Ergin Sahin, Cilem Acar, Aybuke Gozutok, Ecem Firat, YTU; Erkan Mese, Yildiz Technical University
14.40-15.00	Wind Turbine Effects on Power System Voltage Fluctuations	Mugdesem Tanrioven, Yildiz Technical University; Bedri Kekezoğlu, A. Erduman, Yildiz Technical University; Hasan Can KILIÇKIRAN, Yildiz Technical University; Ali Durusu, Yildiz Technical University
15.20-15.40	Placement and Performance Analysis of STATCOM and SVC for Damping Oscillation	Gokhan Cakir, Ghadir Radman, Tennessee Tech University