1 Dec Morning

Welcoming speech (0900 0 0920)

Keynote 1 (0920 - 1000)
Prof. Dushan Boroyevich,
American Electric Power Professor at Virginia Tech and the Co-Director of Center for Power Electronics Systems (CPES)

Keynote 2 (1000 - 1040)
Prof. Akhtar Kalam
Electrical Engineering Professor at Victoria University, Australia

Break

Plenary 1 (1100 1140) (588)
Prof. Malik Elbuluk, Univ of Akron, USA.
"The Role Power Electronics in Future Energy Systems and Green Industrialzation"

Plenary 2 (1140 1220) (93)
Prof. Janusz Bialek, Univ. of Edinburgh, UK.
"Effectiveness of Zonal Pricing Congestion Management Scheme in the European Electricity Market"

1 Dec Afternooon (1400 - 1705)

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64	Performance Study of Line Post Insulator under Different Pollution Conditions
85	Cable Life Time/Failure rate Estimation Using Artificial Neural Network
95	Evaluation and assessment of transformer failure on 132 kV substation
118	Ageing of Transmission Line Insulators: The Past, Present and Future
139	Reduction of Magnetizing Inrush Current in a Delta Connected Transformer
151	THE PERFORMANCE OF UNDERGROUND XLPE CABLES BASED ON TAN DELTA AND CAPACITANCE MEASUREMENTS
287	Effect of Antenna Position of Transformer Winding Axial Displacement Measurement Using Electromagnetic Waves
408	Experience in HVDC Testing of Vulcanized Rubber in UTeM's High Voltage Laboratory
426	THE APPLICATION OF FREQUENCY DIELECTRIC SPECTROSCOPY TECHNIQUE IN ASSESSING THE DRYNESS AND AGEING STATE OF TRANSFORMER INSULATION SYSTEMS
460	Microcontroller Modulation for VLF High Voltage Generator rate 3 kV peak Using DSPIC-30F2010

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232	Multi-Agent Particle Swarm Optimization Approach for Optimal PSS Designing in Multi-Machine Power Systems
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349	Fuzzy Logic Based UPFC Controller for Damping Low Frequency Oscillations of Power Systems
351	Fast Estimation of Transient Stability Constrained ATC by Relevance Vector Machine
367	Power System Stability Assessment Based on Synchronized Phasor Measurements

389 Optimal Tuning Of Temporary Droop Structure Governor in the Hydro Power Plant
420 Analysis of the Small Signal Stability for the International Space Station/JEM Electric Power Systems
443 A Strategy for Frequency Stability of Islanded Power Systems
454 AN EFFECTIVE CONTROLLER TO DAMP THE DEVIATIONS IN A TWO-AREA HVAC/HVDC POWER SYSTEM
90 Enhancement of Power System Stability Using Fuzzy Logic Based Supervisory Power System Stabilizer

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401 Improved Regional Coordination of Generation Voltage Control
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449 Development of New Control Strategy for Voltage sag Mitigation
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414 High Temperature Solid Oxide Fuel Cell Integrated with Autothermal Reformer
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100 Comparing Least Squares Support Vector Machine and Probabilistic Neural Network in Transient Stability Assessment of a Large-Scale Power System
101 Minimum Distance, a quick and simple method of determining the static ATC
102 ASSESSMENT OF VOLTAGE STABILITY WITH NEW NRS
120 Nonlinear Coordinated Control of Multiple HVDC Links
127 Utilization of LFC Generators with Long Time Delay in Output Power Response
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334 Measured Impedance by Distance Relay in Presence of UPFC on Next Line
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180 Comparing the performance of various mother wavelet functions in detecting actual 3-phase voltage sags
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307 Numerical Electromagnetic Analysis of GSM Tower under the Influence of Lightning Over- voltage using Method of Moments

2 Dec Afternoon (1400 - 1705)

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494 Adaptive Deadbeat Current Controllers for AC Induction Motor Control
370 PWM Technique to Control the Speed of Induction Motor using Matlab/xPC Target Box
559 A Simple Overmodulation Strategy Utilizing in DTC-Hysterisis Based Induction Machine Drives
154 Evaluating the Potential of Solenoid Motion System for Electric Vehicle - Challenging the Conventional Usage of Electric Motor
185 Performance Analysis of an Electric Vehicle in Faulty Inverter Mode
571 A Quick Dynamic Torque Control for DTC-hysterisis based Induction Motor
339 Practical Current Control Techniques for Torque Ripple Minimization in SR Motors
555 Bearing Fault Detection in Induction Motor Using Pattern Recognition Techniques
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514 New switching method for Sheppard-Taylor PFC converter
526 Tuning of Control Loops for Grid Connected Voltage Source Converters
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128 Load Modeling Using the Ornstein-Uhlenbeck Process
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254 Numerical Simulation for Hypersonic Vehicle On-board Magnetohydrodynamic Power Generation
290 A Modeling of Self Excited Induction Generators Driven by Compressed Air Energy Based on Field Oriented Control Principle
516 HIERARCHICAL APPROACH IN STEAM NETWORK MODELLING
174 A New Method for Small Signal Modeling of UPFC
417 Modeling of Controller for Voltage Sourced Converter based HVDC Transmission System
539 PSiM Based Electric Modeling of Supercapacitors for Line Voltage Regulation of Electric Train System
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114 Thermal Generation Scheduling Strategy Using Binary Clustered Particle Swarm Optimization Algorithm
117 Using Support Vector Machines For Determining Voltage Unstable Areas in Power Systems
133 A Fuzzy Based Control Method for Isolated Power Utility Connected PV-diesel Hybrid System to Reduce Frequency Deviation
187 A Novel Adaptive Power Systems Frequency Estimation Algorithm Based on Complex Artificial Neural Network
210 A New Adaptive Hybrid Neural Network and Fuzzy Logic Based Fault Classification Approach for Transmission Lines Protection
224 TAGUCHIíS METHOD FOR OPTIMIZED NEURAL NETWORK BASED AUTORECLOSURE IN EXTRA HIGH VOLTAGE LINES
237 Intelligent System for Detection of Fraud Electricity Cases of Ordinary Power Consumers using Support Vector Machines
270 A Comparison amongst Sub-Optimal Ordering Schemes for Power Systems
277 Coordinated Control of Once-Through Power Plant Based on Feedback-Feedforward Fuzzy Control

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3 A Novel Self-Start Circuit and CBS for Engine-Generator System
4 Sensorless control of PMSG for micro wind trubine systems
5 Power Quality Control Center for the Micro Grid System
6 A Control Strategy for the Grid-connected PV System Using a Z-Source Inverter
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268 Reactive Power Procurement Scheme For Use In Competitive Power Markets
301 A Risk-Based Approach for Provision of Spinning Reserve by Means of Emergency Demand Response Program
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332 Optimal constrained power scheduling in Electricity Market
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285 Consideration on Electrical and Mechanical Time Constants for Linear Oscillatory Actuator Design
286 Design and Analysis of Permanent Magnet Generator
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528 Coherency Approach by Hybrid PSO, K-Means Clustering Method in Power System
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3 Dec Afternoon (1400 - 1705)

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491 A Novel Circuit of a Single-Switch Electronic Ballast with a Boost-type Resonant Converter Applied to HID Lamps
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321 The Effect of Different Winding Techniques on the Stray Capacitances of High Frequency Transformers Used in Flyback Converters
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375 Kema Arc Model Parameters Identification in High Voltage Circuit Breaker with Genetic Algorithm
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492 FREQUENCY SPECTRAL ANALYSIS OF ELECTRICAL PARTIAL DISCHARGE SIGNALS IN XLPE CABLE UNDER VARIOUS SOIL CONDITIONS
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343 Reliability Evaluation of Distribution Systems in Presence of Distributed Generation Considering Recloser-Fuse Miscoordination
357 DG Allocation Using an Analytical Method to Minimize Losses and to Improve Voltage Security
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415	Risk Based Static Security Assessment in a Practical Interconnected Power System
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585	An Experimental Study on Partial Discharge Characteristics of Polyvinyl Chloride (PVC) Under AC – DC Voltage
96	Voltage Stability Analysis of Qatar Power Transmission System Using Singular Value Decomposition Technique