

## Draft Program

ELROMA 2017 Conference  
14<sup>th</sup>- 15<sup>th</sup> September 2017  
Hotel Lalit, Mumbai

**Day 1- Thursday 14<sup>th</sup> September 2017**

**0830 Hrs – 0930 Hrs: Registration**

**0930 Hrs - 1100 Hrs: Inaugural Session**

**Session Convener : Mr. Swapnil Kaushik- WEG/ Mr Anil Naik- BBL**

- Welcome of Dignitaries and Lighting of the lamp 5 min
- Welcome address by Mr. Ashok Kulkarni, Chairman-R.M Division 5 min
- Address by Mr. Sanjeev Sardana, President, IEEMA 10 min
- Keynote Address 1- Mr. K.N Neelkanth, M.D- CG Power\* 20 min
- Keynote Address 2- Mr. Thakur- Executive Director- BHEL 20 min
- Inaugural address by Chief Guest - Dr. P Chidambaram 30 min  
(Principal Scientific Advisor to Govt of India)
- Vote of thanks by Mr. Sunil Misra, Director General, IEEMA

**1100 Hrs to 1200 Hrs: Tea/ Coffee Break and visit to Stalls**

**1200 Hrs to 1330 Hrs: Session I Case Studies**

**Session Chairman: Mr. Rao - ACC**

**Session Convener: Mr. P Hardikar- Siemens**

Topic	Organization
Special Features, Testing Requirements For Certification And Latest Trends In The Design Of Non-Sparking, Increased Safety, Flame Proof And Pressurized Motors.	Bharat Heavy Electricals Limited(BHEL)
Experience With Integrated Condition Monitoring Of Motor And Generator Windings	IRIS Power - A Qualitrol Company
Effect Of Switching Transients On Inter Turn Insulation Of High Voltage Motors For Power House Application	MIT, Bhopal
Conversion Of Synchronous Generators Of Nonviable Old Power Plants To Synchronous Compensators	Haldia Energy Limited.
Comparative Study Of Class-200 Insulation System For Traction Machines Through Short Term Thermal Evaluation Method	Bharat Heavy Electricals Limited(BHEL)
Enhancing reliability against bearing currents – A Case Study	Siemens

**1330 hrs to 1430 Hrs: Lunch Break**

**1430 Hrs to 1515 Hrs: Session II- Poster**

**Session Chairman: Dr K K Puranik- Ex BHEL**

Topic	Organization
Development of single-sided linear induction motor	Asansol Engineering College, West Bengal
A Complete Monitoring System for High Voltage Drive	Indian Institute of Technology, Madras.
Noise Reduction In Salient Pole Motor	Sri Manakula Vinayagar Engineering College, Pondicherry
A Study On Winding Insulation Failure And Possible Design Remedies For Permanent Magnet Synchronous Generator	Indian Institute of Engg. Science & Technology, Shibpur
A Comparative Study of Induction Motor When Operated In Vector Control And Direct Torque Control Modes	Indian Institute of Technology, Roorkee

**1515 hrs -1630 Hrs: Session III New Materials Development and Application**

**Session Chairman: Mr Roger Wicks – Chairman, IEC TC 112**  
**Session Convener: Mr Salil Kumar- BBL**

<b>Topic</b>	<b>Organization</b>
Reliable Insulation System Testing For A Motor Of Hybrid Electrical Vehicle / Electrical Vehicle	E.I. DuPont India Pvt Ltd
New Age Technology Flexible Insulating Material For Ground Insulation	ELANTAS Beck
Green Manufacturing In VPI Winding Bars For Large Size High Voltage Electrical Rotating Machines	Bharat Heavy Electricals Limited

**1630 Hrs to 1700 Hrs: Tea**

**1700 Hrs to 1815 Hrs : Session III New Materials Development and Application-contd.**

<b>Topic</b>	<b>Organization</b>
Novel Motor Insulation Solutions For Demanding Application Based On Nomex With Mica	E.I. DuPont India Pvt Ltd
Low Emission Unsaturated Polyesterimide Resin for Medium & High Voltage Applications	Axalta Coating Systems Germany
WINDING WIRE- "VITAL PART OF EQUIPMENT"	IEEMA Winding Wire Division

**1815 Hrs to 1900 Hrs: Break**

-----**1900 Hrs to 2200 Hrs: Networking Dinner**-----

**Day 2- Friday 15<sup>th</sup> September 2017**

**0830 Hrs to 0900 Hrs – Registration**

**0900 Hrs to 0930 Hrs: Presentation by Energy Efficiency Services Ltd.- National Motor Replacement Program**

**0930 Hrs to 1030 Hrs: Session IV Simulation Techniques**

**Session Chairman** Mr R S Barve-Consultant  
**Session Convener** Mr Sunil Naik- TMEIC

<b>Topic</b>	<b>Organization</b>
Hydrodynamic Journal Bearing Parameters Optimization	SoftInWay Turbomachinery Solutions Pvt. Ltd
Development Of High Thrust Capacity Vertical Lift Irrigation Scheme Motor Using Finite Element Methods	Bharat Heavy Electricals Limited
An Analytical Approach To Predict Temperature Distribution In Three - Phase Squirrel Cage Induction Motor	ABB India Limited

**1030 Hrs to 1100 Hrs : Tea/Coffee Break**

**1100 Hrs to 1200 Hrs : Session IV Simulation Techniques- Contd**

<b>Topic</b>	<b>Organization</b>
Aero acoustics Noise Estimation For Rotating Electrical Machines	Marathon Electric India Pvt. Ltd
Design Consideration For Electrical Motor In High Shock And Vibration Condition: An Approach Based On FE Model Analysis	Bharat Heavy Electricals Limited
Modeling And Simulation Of Short Stator Linear In	SMVEC, Pondicherry

**1200 Hrs- 1315 Hrs: Session V- Power Electronics and Drives**

**Session Chairman** Prof B G Fernandes- IIT-B  
**Session Convener** Dr Praveen- Integrated Electric

<b>Topic</b>	<b>Organization</b>
Voltage unbalance reduction for induction motor using 4-leg inverters	Nuclear Power Corporation Of India Ltd(NPCIL)
A Variable Biasing Based Optimal Control Scheme Of A Hybrid Magnetic Bearing	IIEEST, Shibpur
Stress And Reliability Test of a Three Level NPC Inverter For Traction Application	Indian Institute of Technology, Patna
High Efficiency Bldc (Brush Less Dc Motor) Motor With Mppt (Maximum Power Point Tracking) For Solar Pump Configuration	Electrical Research and Development Association(ERDA)

**1315Hrs- 1400 Hrs: Lunch Break**

**1400 Hrs- 1500 Hrs: Session V- Power Electronics and Drives-Contd.**

Topic	Organization
Design And Development Of A 250 Kw Medium Voltage Drive With Selective Natural Harmonic Elimination	Centre for Development of Advanced Computing(C-DAC)
Roller Motor Drive For Flat Belt Conveyor Application	Portescap India Pvt. Ltd
Single Phase Active Front End Converter In Traction Applications	CG Power and Industrial Solutions Limited

**1500 Hrs- 1630 Hrs: Session VI: Emerging Technology**

**Session Chairman**  
**Session Convener**

**Dr Garg- PEC**  
**Mr D K Chaturvedi- NTPC**

Topic	Organization
Brushless Doubly Fed Reluctance Machine an Option for Variable Speed Applications	PVGCET, Pune
Using state of art technology to reduce Failures of large motor	NTPC Ltd.
Design And Development Of Energy Efficient Gearless Permanent Magnet Synchronous Machine For Elevators	Bharat Bijlee Ltd
Spring actuated internal disc brake for induction motor	CG Power and Industrial Solutions Limited
Effect Of Firing And Commutation Angles On Performance Of Switched Reluctance Machines	Integrated Electric
Digitalisation – A new trend in LV Motor technology	Siemens

**1630 Hrs- 1700 Hrs: Tea/Coffee Break**

**1700 Hrs- 1800 Hrs: Concluding Session and Vote of Thanks**

**Mr Dinesh Nimje, Chairman- Technical Committee**