

10th INTERNATIONAL CONFERENCE & EXPOSITION ON
ELROMA 2021 (Virtual)
ELECTRICAL ROTATING MACHINES, DRIVES & APPLICATIONS
September 6-8, 2021

Day 1: September 6, 2021

INAUGURAL PROGRAMME

1500 - 1600 Hrs

| | | |
|-----------------|------------------------|--|
| 1500 - 1505 Hrs | Opening Remarks | Ms. Charu Mathur, Director General, IEEMA |
| 1505 - 1510 Hrs | Chairman Address | Mr. Ashok Kulkarni, Chairman ELROMA From CG Power and Industrial Solutions Ltd |
| 1510 - 1515 Hrs | President Address | Mr. Anil Saboo, President, IEEMA |
| 1515 - 1530 Hrs | Key Note Address | Prof. H P Khincha, Renowned Academician |
| 1530 - 1545 Hrs | Guest of Honor Address | Dr. Nalin Shinghal, Chairman & Managing Director, BHEL |
| 1545 - 1600 Hrs | Chief Guest Address | Prof. K. Vijay Raghavan, Principal Scientific Advisor to the Government of India |
| Vote of Thanks | | Mr. Manish Walia, Delta Electronics |

10th INTERNATIONAL CONFERENCE & EXPOSITION ON
LROMA 2021 (Virtual)
ELECTRICAL ROTATING MACHINES, DRIVES & APPLICATIONS
September 6-8, 2021

Day 1 : September 6, 2021

Session 1 - Emerging Trends in Design of Electrical Rotating Machines

Session Chair : Mr. R.S. Barve, Consultant

1600 - 1730 Hrs

| Topic | Author & Organisation |
|---|---|
| Efficiency Improvement of Large Rating Induction Motors By Special Design Methodologies And Advanced Techniques | Mr. Chandra Prakash Meena and Mr. Sourabh Goyal, BHEL |
| Synchronous Reluctance Motor For Low Power Industrial Applications | Mr. Atul B Nagarkar & Dr. Srirama Srinivas, IIT, Madras |
| Coreless Axial Flux BLDC Motor For Medical Respirator Application | Dr. Madhavan Ramanujam, Portescap, Mumbai |
| Mitigation of Cogging Torque in IPM BLDC Motor Using Novel 'V' Shaped Grooves In Stator Slots For EV Applications | Mr. Adrien Perianayagam Mr. Dhanushvarma.R and Narenthiran V.S., Sri Manakula Vinayagar Engineering College |
| Trends In Induction Motor Design Optimization: Case Study Of 630 Frame HV Induction Motor | Mr. Parag Bhandakkar and Mr. Tarun Paliwal, WEG Industries |
| Design And Analysis of Synchronous Reluctance Motor For E-Mobility | Mr. Hardik Khambhadiya, Mr. Krishnakanth Vankayala and Dr. Satish Chetwani, ERDA |

Session 2 - Advances in Materials & Manufacturing

Session Chair : Mr. Salil Kumar, Bharat Bijlee Ltd

1730 - 1830 Hrs

| Topic | Author & Organisation |
|--|--|
| New Generation Stator Coil Potting By Solvent Less And Thermally Conductive Polymeric Composite | Mr. Singubiru Khatake and Mr. Sunil Garaje, ELANTAS Beck India Ltd |
| Technologies For High Efficient Electric Motors | Mr. Sebastiao Lauro Nau and Mr. Carlos Eduardo, WEG Brazil |
| New Insulation Paper For Offshore Wind Turbine Generators | Mr. Steven SW Lee, DuPont, Korea |
| Aerospace Starter-Generator Product Ideation And Realization With Novel Airworthy Qualification Approach | Mr. Ashish Kumar Shrivastava and Mr. Hari Prakash Mittal ASERDC, Hindustan Aeronautics Limited |

Summarisation of Day 1: Mr. Sunil Naik, TMEIC

10th IECROMA 2021 (Virtual)

INTERNATIONAL CONFERENCE & EXPOSITION ON
ELECTRICAL ROTATING MACHINES, DRIVES & APPLICATIONS
September 6-8, 2021

Day 2 : September 7, 2021

1500 - 1530 Hrs

Key Note Address : Mr. Henning Hoehnert, Global Head - Product Portfolio Management (Low Voltage Motors), Siemens

Session 3 - Testing, Diagnostics, Monitoring & Standardization in Motion Control Systems,

Session Chair : Dr. S. Chetwani, ERDA

1530 - 1645 Hrs

| Topic | Author & Organisation |
|--|---|
| Testing of Advance Insulation Materials For New Rotating Machines | Mr. Jean Claude Durant and Mr. Gaussens Benjamin, DuPont, Switzerland |
| Partial Discharge Monitoring System A Review For Hydrogen Cooled Generators | Mr. Ravish Chandra Jha and Mr. Harsavardhana Senghani, NTPC |
| Stator Core Condition Assessment On Rotating Machines | Mr. Paneendra Bonagiri and Mr. Fabian Oettl, Omicron, India/Austria |
| Bearing Wear In Electric Motors And Rotating Equipment Under The Aspect of VSD Converter Operation | Dr Hans Tischmacher, Siemens, Germany |
| Testing Insulation of Converter-fed Motors Conforming To IEC Standards And Their Technical Issues | Mr. Tetsushi Okamoto and Mr. Teruo Kanekwa, TMEIC, Japan |

Session 4 -Conventional & Futuristic Applications in Electrical Rotating Machines & Drives

Session Chair : Mr. Claes Bjareholt, CG Drives, Sweden

1645 - 1830 Hrs

| Topic | Author & Organisation |
|---|---|
| Optimised Powertrain Design Methodology Using Backward Modelling For Houseboat Electric Propulsion System | Mrs. Sreedevi ML, CDAC |
| Efficient & Maintenance Free Operation of Wagon Tippler With AC Drives And Squirrel Cage Induction Motor | Mr. Bodhisatva Mukherjee, Delta Electronics |
| Comparison & Evaluation of Electric Motor Designs For EV Application | Mr. Varun, PSG College of Technology |
| Medium Voltage Drives Emerging Technologies & Applications | Mr. Hemant Sawarkar, TMEIC Industrial Systems Pvt. Ltd. |
| New AC Drive System For Efficient Operation of Batch Centrifugal | Mr. P.G. Patil and Mr. R.A. Chandugude Vasantdada Sugar Institute |
| Comparative assessment of VFD Driven Energy Efficient Synchronous Reluctance Motor & Induction Motor at Partial Loads | Mr. Lokesh B M, ABB, India |

Day 2 Summarisation: Dr. Sundaram M., PSG Tech

10th IEC ROMA 2021 (Virtual)

INTERNATIONAL CONFERENCE & EXPOSITION ON
ELECTRICAL ROTATING MACHINES, DRIVES & APPLICATIONS
September 6-8, 2021

Day 3 : September 8, 2021

1500 - 1530 Hrs

Key Note Address : Mr. Hidetoshi Kanzaki, Vice President, Rotating Machines Division, TMEIC, Japan

Session 5 - Advances in Drives and Controls

Session Moderated by: Mr. DVS Subramanyam, L&T Electrical & Automation

1530 - 1700 Hrs

| Topic | Author & Organisation |
|--|---|
| Design & Development of Auto Synchronisation Bypass Through VFD | Mr. Ramakant Mishra CG Power Industrial Solutions Ltd |
| A Multi-Sensor IOT System For Remote Monitoring, Diagnostics And Predictive Analytics of Rotating Machines | Mr. T.S. Sidhu, Eneretics Inc and Mr. A.K. Kudlu Rajamane & Hegde Service Pvt. Ltd |
| Hardware Implementation of Regenerative Braking of PMBLDC Motor in Vehicular Application | Mr. Hirak Lad and Mr. Sanjay Mahagaokar Rotomotive Powerdrives India Ltd. |
| Advances in Drive and Smart Control Systems – Scat (Sugar Centrifuge Automation Technology) | Mr. Paresh Patel, Amtech Electronics India Limited |
| A Novel Wind-Solar-VSDG Hybrid Controller | Mr. Vijay Kumar Kasireddy, Mr. Madhu Sagar and Mr. Guruswamy Gurunathan, IE Power Technologies Pvt. Ltd. |
| Injection Molding Machine-IIOT Solution | Mr. Amogh Gharat, Bharat Bijlee |
| Impact Of IEEE-650 Voltage Transient On Induction Motors Fed Through UPS And VVVF Starter | Mrs. Dhanashree V. Vyawahare and Mrs. Teena Gupta Nuclear Power Corporation of India Ltd. (NPCIL) |

1700 - 1800 Hrs

Panel Discussion on Opportunities & Challenges - Motors, Control & Drives Industry for EVs

1800 - 1830 Hrs

Day 3 Summarisation: Dr. Praveen Vijayraghavan, Integrated Electric

Concluding Ceremony :
Best Paper & Delegate Rewards

Felicitation by :
H.E André Aranha Corrêa do Lago, Ambassador,
Embassy of Brazil in India

Vote of Thanks - Mr. Atul Jugade, Chairman, IEEMA Rotating Machines & Drives Division