



# CIGRE- AORC TECHNICAL MEETING 2016

## INTERNATIONAL CONFERENCE

### GLOBAL TRENDS IN THE DEVELOPMENT OF POWER TRANSMISSION & DISTRIBUTION SYSTEMS INCLUDING SMART GRID

**Dates : 24<sup>th</sup> to 26<sup>th</sup> February, 2016**

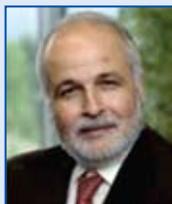
(27<sup>th</sup> Feb. 2016 : Field Visit to Agra (Taj Mahal) for CIGRE-AORC Members and International Participants)

**VENUE** : Hotel VIVANTHA by Taj, Sector 21, Metro Station Complex, Dwarka, New Delhi, India

#### Senior Experts & Dignitaries who will address the conference



**KEY SPEAKER**  
HIROKI ITO (Japan)  
Chairman CIGRE SC A3  
High Voltage Equip.



**CONFERENCE CHAIR**  
Konstantin O. Papailiou  
Chairman CIGRE SC B2  
Over Head Lines



**PRESIDENT**  
CIGRE AORC,  
VP- Trans. Div. TNB,  
Malaysia  
Rozimi Bin Remeli, Datuk



**PRESIDENT CBIP**  
Major Singh  
Chairperson i/c, CEA &  
Ex officio Addl. Secretary  
to Govt. of India



**PRESIDENT**  
CIGRE-India &  
Chairman Org. Comm.  
I.S. Jha, CMD  
POWERGRID



**CHAIRMAN**  
TECH. COMMITTEE  
R.P. Sasmal, Dir.(Opn.)  
POWERGRID

#### Attraction for participants in the Conference

- Open discussions & exchange of information on Global Trends on the subject.
- Opportunity to interact with renowned experts from participating countries e.g. Australia; Brazil; China; Germany; France; Sweden; Hong Kong; India; Indonesia; Japan; Korea; Malaysia; New Zealand; Taiwan; Thailand, Iran; Jordan; Cambodia; Gulf Cooperative Council; including Chairman of CIGRE Study Committee B2 and Study Committee A3 on Overhead Lines and High Voltage Equipment during the event.
- 60 top quality technical papers including 35 international papers besides addresses by Senior Experts
- Poster Session during the conference
- Views by National & International experts as Chairman of Various sessions on Global Development w.r.t. T&D

#### Organised by



CIGRE - India



Central Board of  
Irrigation & Power



Afro Asian  
Region Organization



Central Electricity  
Authority



POWERGRID



Society of  
Power Engineers

#### Technical Partners

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## INTRODUCTION

CIGRE-AORC (Asia Oceana Regional Council) - Technical Meeting is a forum for sharing experience and knowledge regarding pertinent technical issues particularly those affecting power systems in the Asia-Oceania region.

The countries from Asia Oceana region associated with CIGRE - AORC forum are : **Australia; China; Cambodia; Gulf Cooperative Council; Hong Kong; India; Indonesia; Iran; Jordan; Japan; Korea; Malaysia; New Zealand; Taiwan; Thailand, etc.**

## TOPICS FOR DISCUSSION

The following technical subjects have been identified for discussion during AORC-CIGRE Technical Meeting 2016 in India on “Global Trends in the Development of Power Transmission & Distribution Systems including Smart Grid”

- Overhead Transmission Lines
- Substations
- Transformers
- EHV Cables
- Distribution System
- Smart Grid Technologies

## PROGRAMME

The schedule for various activities during the above event is as below:

Sl. No.	Date	Activities	Parallel
1	<b>Day 1</b> <b>24<sup>th</sup> Feb. 2016 (Wed.)</b> 0900 - 1730 hrs.	International Conference - Session on Global Trends in Development of Power Distribution System including Smart Grid	CIGRE AORC Panel Meeting
2	<b>Day 2</b> <b>25<sup>th</sup> Feb. 2016 (Thu.)</b> 0900 - 1730 hrs.	International Conference - Session on Global Trends in the Development of Power Transmission System including Smart Grid	CIGRE AORC Panel Meeting
3	<b>Day 3</b> <b>26<sup>th</sup> Feb. 2016 (Friday)</b> 0900 - 1730 hrs.	Forenoon Session contd. On “Global Trends in the Development of Power Transmission System including Smart Grid”	CIGRE- AORC Administrative Meeting
		<b>Afternoon Session</b> Panel Discussion on Cross Border Electricity trade	
4	<b>27<sup>th</sup> Feb. 2016 (Sat.)</b> 0700 – 2000 hrs.	Field visit and trip to Agra (Taj Mahal) for AORC Members International Participants and their companions only	

### Participants

This forum is open for everyone involved in the power industry, e.g., power utilities regulators, manufactures, independent power producers, contractors, consultants, academicians etc.

### REGISTRATION

Those willing to participate and present Papers in the technical conference have to register for this event by filling up the Registration Form and e-mail back to us. Registration is only complete once the payment is fully made.

### REGISTRATION FEE

The registration fee payable by the delegates, including authors of papers, for participation in the conference is as follows:

Sl. No.	Event	Fee payable by				
		SAARC countries in INR			Others in US Dollar	
		Participants	Companion	Students/ Faculty	Participants	Companion
1	Full 3 days International Conference	20,000/-	5,000/-	5,000/-	400	150
2	Day 2 & 3 of the Conference	15,000/-	4,000/-	4,000/-	300	125
3	Day one of the Conference	8,000/-	2,500/-	2,500/-	150	75

The chosen theme for AORC-CIGRE Technical Meeting 2016 in India is “**Global Trends in the Development of Power Transmission & Distribution Systems including Smart Grid**”

### DATE & VENUE

The dates for the conference are 24<sup>th</sup> to 26<sup>th</sup> February, 2016 and the venue is Hotel VIVANTHA by Taj, Sector 21, Metro Station Complex, Dwarka, New Delhi -110075, India. A field visit/trip to Taj Mahal (Agra) will be organised for CIGRE-AORC Member and International Participants and their companion on 27<sup>th</sup> February 2016.

The emerging technologies on these topics will cover the following aspects:

- Planning & Design
- Equipment development / manufacturing
- Erection & Testing Techniques
- Operation & Maintenance
- Materials



Taj Mahal, Agra (India)

### Important:

- 14% Service Tax + 0.5% Swachh Bharat Cess (Total 14.5%) will be extra for the payment in INR.
- CIGRE AORC members are exempted from payment of Registration fee.
- 10% discount in registration fee to CBIP & CIGRE - India members.
- Companions are immediate relative or one normally residing with the participant
- However the spot registration is available to a limited extent, it is advisable to register well in advance.

The registration fee covers the cost of registration kit, Conference proceedings, lunches and tea in-between technical sessions. The participants will have to make their own arrangements for travel, boarding and lodging.

### SPONSORSHIP OPPORTUNITIES

The Conference provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with engineers of utility, manufacturers and academic institutions during tea/coffee and lunch intervals. Sponsors are assured of full visibility with printing of their names on proceedings, banners and other publicity material related to Conference and will have the privilege of distribution of their product's pamphlets/catalogues during the Conference. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Category of Sponsorship	Fee in Rs.	Privileges
Platinum	5,00,000	<ul style="list-style-type: none"><li>• Display of Logo on Main banner &amp; other publicity material</li><li>• Free Delegates in the conference (10 Nos.)</li><li>• Free Editorial/Profile in the proceedings (2 pages)</li><li>• Advertisement on Back Cover of Proceedings</li><li>• Table space for display of services at the venue</li></ul>
Gold	3,00,000	<ul style="list-style-type: none"><li>• Display of Logo on Main banner &amp; other publicity material</li><li>• Free Delegates in the conference (05 Nos.)</li><li>• Free Editorial/Profile in the proceedings (1 page)</li><li>• Advertisement in side Back Cover of Proceedings</li><li>• Table space for display of services at the venue</li></ul>
Silver	2,00,000	<ul style="list-style-type: none"><li>• Display of Logo on Main banner &amp; other publicity material</li><li>• Free Delegates in the conference (03 Nos.)</li><li>• Advertisement in side Proceedings</li></ul>
Supporter	1,00,000	<ul style="list-style-type: none"><li>• Display of Logo on Main banner &amp; other publicity material</li><li>• Free Delegates in the conference (01 No.)</li></ul>

For further details, please contact the Conference Secretariat.

### CALL FOR ADVERTISEMENTS

A limited space for insertion of advertisements in the Conference proceedings is available at the following rates:

Position	Charges for Colour Advertisements	
	SAARC Countries (Indian Rs.)	Other Countries (US\$)
Back cover page	50,000	1000
Second or third cover page	30,000	600
Full page (18 cm x 23 cm)	15,000	300

### PAYMENTS FOR THE EVENT

The payments for the event (registration fee, sponsorship & Advertisement are to be made to CIGRE India by the following methods:

- Banker's cheque payable to : Central Board of Irrigation and Power, New Delhi
- Bank transfer: Bank charges if any are to be borne by participants

<b>Beneficiary Name</b> (Payee Name & address)	Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110021
<b>PAN No. :</b> AAAJC 0237F	<b>Service Tax Numbers :</b> AAAJC 0237F ST001
<b>Complete Bank Details :</b>	<b>Bank Name:</b> HDFC Bank <b>Saving Bank Account Number :</b> 00031110004411
	<b>Branch &amp; Address :</b> G-3/4, Suryakiran Building, 19, Kasturba Gandhi Marg, New Delhi 110001
	<b>Branch /RTG/NEFT IFSC :</b> HDFC0000003 <b>MICR Code :</b> 110240001
	<b>Swift Code :</b> HDFCINBBDEL

All the payments details for the event to be furnished along with the registration form and Name of the event should be mentioned under subject in all the correspondence relating to this event.

Note : No other method of payments is acceptable.

## GENERAL INFORMATION

**Official Language :** The official language of the Conference is English.

**Official Invitation :** The invitation contained in this bulletin should generally suffice to plan travel formalities. However, should an official invitation is needed; the same can be sent by the organizers on request.

**Visa and Custom Requirement :** All visitors to India require a visa, except visitors from Nepal and Bhutan. The best place to get your visa is at Indian Embassy and High Commissions in your country of residence. Please check your nearest Embassy, Consulate or High Commission for all the details for getting visa. Keep your passport with you at all the time

**Banking & Communication Facilities :** Foreign exchange facilities, fax and phone service are available at the venue hotels of the Conference.

**Climate :** The maximum temperature at Delhi in the second and third week of February ranges from 20-23°C and minimum temperature from 4-7°C. Relative humidity maximum 55 - 60% and minimum 12-14%.

## INDIA - THE HOST COUNTRY

India – the very name conjures images of vibrant colors, mysticism, royalty; an amalgam of religions, a kaleidoscope of art and culture, all of which find expression in the beautiful temples, sculptures and monuments. India’s ancient and diverse culture, sweeping back at least 5000 years, with successive waves of migration absorbed into the fabric of Indian life, has enriched it time and again to make a multi-cultural nation with a rich diversity of languages, customs, cuisines, religions, literature and arts. Within this kaleidoscope of immense variety there is a thread of continuity that has determined Indian civilization and social structure.

India, it is often said, is not a country but a continent. From north to south and east to west, the people are different, the languages are different, and the country is different. There are few countries on earth with the enormous variety that India has to offer.

India is a land of romance and dreams, of splendor and extravagance, of forts and palaces, beaches and jungles, a kaleidoscope of vibrant colors and rituals. Explore the diversity of Northern India expressed by the mystic ambience in Varanasi, through the architectural magnificence of the Taj Mahal in Agra and the majestic forts and palaces of Gwalior and Rajasthan. India rewards the traveller with her timeless landscapes, spectacular architecture, monumental history, cultural kaleidoscope and undeniable aura of romance and mysticism. To explore India is to discover unending secrets to the mystery of life, to enjoy India is to celebrate the very fact of living.

### New Delhi - The Host City

The Capital City of modern India has behind it centuries of history, which has enriched its culture. Broad tree-lined avenues and vistas suddenly give in to narrow alleys of cobble stones - taking you to an age of kings, princes, valour and bravery. Small shops huddled together, groan under the burden of age; small “dhabas” (roadside restaurants) selling freshly prepared delicacies; a wonderful collection of curious, handicrafts, jewels and jewellery. All within a few metres of fast-food restaurants serving everything from pizzas and hamburgers to colas and lemonades; glitzy shopping plazas; air-conditioned designer boutiques. This reflects the true spirit of New Delhi. Delhi is one of the world’s best shopping centers. From handicrafts and antiques to all modern utilities — Delhi’s shopping centers offer you everything under the sun. Delhi has all the modern facilities for hosting Conferences. It has a number of good hotels, which offer the best of the two worlds – international luxury combined with oriental hospitality.

For more details please contact Conference Secretariat.

## CIGRE INDIA (Conference Secretariat)

C/o Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi 110 021 India

Phone : 011-2611 5984/2687 6229/2688 0557; Fax : 011-2611 6347 E-mail : [cbip@cbip.org](mailto:cbip@cbip.org), Website : [www.cbip.org](http://www.cbip.org)

### Contact person:

**Mr. V.K. Kanjlia**, Secretary, CIGRE India, [kanjlia@cbip.org](mailto:kanjlia@cbip.org)

**Mr. P.P. Wahi**, Director, [wahi@cbip.org](mailto:wahi@cbip.org)

**Mr. Vishan Dutt**, Sr. Manager (Tech.), CIGRE India - (Mobile No. 09811431554)

E-mail : [vishandutt@cbip.org](mailto:vishandutt@cbip.org); [cbip@cbip.org](mailto:cbip@cbip.org); Website: [www.cbip.org](http://www.cbip.org)

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## REGISTRATION FORM

Willing to attend Int. Conference : Day 1  Day 2&3  Full 3 Days  (Pl. tick )

Delegate Name:..... Designation:.....

Organisation: .....Address for Correspondence.....

Phone.....Fax.....E-mail.....

• Companion if any : .....

(Companions are immediate relative or one normally residing with the participant)

Accommodation in venue Hotel : Required  Not Required

Details of Registration fee Paid:

## PAPERS SELECTED FOR ORAL PRESENTATION

- Challenges for the application of Natural Ester fluids in extra high voltage transformers- (Brazil)- Alan Sbravati
- Short Term Photovoltaic Power Generation Forecasting Considering Low-frequency Information Based on Wavelet Analysis- (China)- Yang Tan, Dong Liu, Qingsheng Li
- Combined Cooling, Heating and Power System Modelling and Application Based on CIM- (China)- Wei Xu, Liu Dong
- Demands of dielectric testing of HVAC and HVDC power cables with extruded insulation- (Germany)- Dipl.-Wirt.-Ing. Andreas Horeth Marie
- On the Role of Power Transformer Design for Resilient Future Electric Energy System (Germany)- Dr. Tobias Haring, Energy Management, Transformers
- Addressing Topics of Interoperability and Performance in an IEC 61850 Series Based Power Utility Automation System(Germany/ France)- Thomas RUDOLPH, Mayank SHARMA
- Incorporating Innovation Into LV Distribution Network - The CESC Pathway- (India)- Kirit Rana: DGM (Technical), Anjan Mitra: Sr. Dy. Mgr (MAINS), Aryyabrata Paul: Distribution ER (Mains)
- Residual Life Assessment and Life Extension Techniques of Transformers- (India), M. L. Sachdeva, Former Chief Engineer, CEA and Sr. Consultant, Skipper Seil (India) Ltd, Gurgaon
- Electro-Magnetic Field Study in UHV Substations- (India)- D. Maheswaran, K.K. Jembu Kailas, R. Malarvizhi, Manivannan.C
- Smart Grid Scheme Using Intelligent Load Prioritization For Industries- (India)- Muhammad Ehsan, Engineer
- Smart Grid Deployment in CESC Transmission & Distribution system- (India)- SANTANU SEN
- Advanced Metering Infrastructure - The CESC Perspective- (India)- UDAYAN GANGULY
- Study Of Performance of Composite Insulators Removed From Different Contaminated Sites - (India)- B.Sravanthi\*, B. Yashodhara, K.A. Aravind, Pradeep M Nirgude, V.Kamaraju, A.V.R.S. Sarma
- Global trend in health index estimation and validation on generation transformer fleet management- (India)- Dr. Aradhana Ray, Dr. V.Shrinet
- Reliable, Resource-saving & Maintenance-free Air Insulated Substations (AIS) substation with- (High Voltage Hybrid (MTS) switchgear - PASS (Plug and Switch System)- (India)- Rajdeepak Pandey, Product Manager, Hybrid Switchgear,
- Efficient Primary Current Calculation from Saturated CT- (India)- Dinesh Vaghela & Naman Raval
- Case study on REF relay operation (IED fault analysis process)- (India)- K.N. Dinesh Babu, Barath Kumar Baswa, Jyoti Gupta
- Transmission Sector Development And Adoption of SMARTGRID Technologies In Indian Scenario- (India)- Amit R. Kulkarni, Shrikant S. Rajurkar, Dr. Makrand S. Ballal
- Design Of Integrated Transmission And Distribution Net Work For A Green Field Smart City- (India)- S. M. Takalkar, K.G.Gaikwad, K.N. Velani
- A novice approach to conduct Residual Life Assessment (RLA) of Power Transformers- (India)- Dr. Shashikant Bakre SE (Training)
- Smart Grid Technologies – Microgrids, Demand Response and Communication Systems in Distribution network- (India)- S.R. Vijayan; Rishi Mishra
- ERP Integrated Maintenance Management& Best Practices for T&D Asset Management- (India), KK Jain- GM,; Yogesh Gupta, AGM, R.K. Sharma, AGM, Zia Khan, Manager
- Power Quality Improvement through Smart Control and Diagnostics of Power Transformer Load Tap Changer- (India), KK Jain- GM,; Yogesh Gupta, AGM, RK Sharma,AGM; Alokadri Basu Managr
- Substations ‘Gis And Its Experience With New Emerging Trends- (India)- Sukhbir Kapoor, Santosh Annadurai, Rachin Agarwal
- A Smart Optimization Algorithm to Achieve Congestion Management in Distribution Network- (India)- Abhilash Sharma Dr. Konika Bhattacharya Dr J.K. Das Debnil Chakraborty
- GHG Emission Control -A Proactive Electrical Asset management through- (India)- Mr. Nilesh KaneMr. Sanjeev Atri; Mr Sandip Pal, Mr Pankaj Patel
- Socio-Technical initiatives for UG cable Asset Management- (India)- Mr. Nilesh Kane, Mr. Sandip Pal, Mr. Rajeev Kumar, Mr Anuj Kumar
- Self Healing Distribution Networks in India context – a paradigm shift- (India/ Germany)- Vikram Gandotra, India, Roland Schmidt
- Riser Cable Installation for 7MW Floating Wind Turbine In Fukushima Floating Offshore Wind Farm Demonstration Project- (Japan) - Hiroyuki. SAKAKIBARA, Shigeru. FUJII, Yuji. TATENO, Kiyotomo. YAGIHASHI, Hideo. TANAKA, VISCAS Corporation
- Optimal Operation Method Considering Supply-Side Uncertainty for Forecast Error in Plural Regional Power Systems- (Japan)- Shota Tobaru, Cirio Celestino Muarapaz, Mohammad Masih Sediqi, Tomonobu Senjyu, Toshihisa Funabashi
- Development of 420 kV Gas Insulated Switchgear with One-break Spring Operated Gas Circuit Breaker- (JAPAN)- M. Kawahigashi, M. Fujioka, H. Kajino, D. Yoshida, H. Koyama
- Transmission and Distribution Integrated Analysis and Evaluation System for Distributed Generation- (Korea)- J.SUH; S.Yoon; G.Jang
- Successful Implementation Of Hotline Maintenance For High Voltage Transmission Lines And Substations In Malaysia- (Malaysia)- Sugumar Shunmugam, Senior Electrical Engineer, Tenaga Nasional Berhad
- Self-Healing Smart Grid: The Challenges- (Malaysia)- Chia Kwang Tan, A.H.A.Bakar, H.A. Illias, H.Mokhlis
- The deployment of mature DC cable technology- (Sweden)- Dr. Marc Jeroense, Magnus Moritz, Nandan Mahimkar
- Developments of Digital Substations - Deploying Integrated, Scalable and Manageable IEC 61850 Substation Network with Seamless Redundancy- (Taiwan)- Eleanor Huang, Product Manager
- Developments of Digital Substations - System Redundancy in Retrofitting for Power Substation Automation- (Taiwan) - Daniel Lai, Product Manager
- A Comprehensive Data Governance Framework, the Pragmatic Guideline for Big Data Analytic in Smart Utility- (Thailand)- Dr. Surat Tanterdtid
- IP Party Line, The Revolution Platform of voice communication in Power Utility- (Thailand)- Yongyut SEEKHAO; Wichai WANARAKPITAK
- Planning EGAT’s IP/MPLS Network as IP Communication Infrastructure for Power Grid and Smart Grid- (Thailand)- Dr. Ekularn Dhavarudha
- Planning on Improving the Availability of EGAT’s Optical Networks Utilizing OPGW- (Thailand)- Dr. Wissarut YUTTACHAI
- Smart Grid in Thailand: Trends in the development of Power Transmission & Distribution Systems- (Thailand)- Dr. Jatuporn Vongmahadlek
- SVC PLUS – The Way to Improve Stability and Power Quality of Power Systems- (Thailand)- Dr. Pakorn THEPPARAT

- PEA-AMR Operation and Maintenance System for Strong Grid™- (Thailand)- Paisit Pinto
- GIS-Based Decision Support for Distribution System Improvement: A Case Study in the PEA N1 Chiangmai Thailand- (Thailand) Tirapong Kasirawat, Dr. Titti Saksornchai, Siwapornpat Chomchavalit
- Short Term Demand Response Program in Thailand: Practical Experiences and Lessons Learned- (Thailand)- A. SODE-YOME
- Implementation Techniques of Substation Control System of Switching-unit Substations for Increasing Reliabilities of Customer Substations Under MEA's SCADA Constraints- (Thailand)- Mr. Pichit JINTAGOSONWIT
- Ongoing Efforts and Future Directions on ASEAN Power Grid- (Thailand)- Ms. Woraporn TANBHIBAL
- Maehongsorn Smart Grid Pilot Project- (Thailand)- Ms. Jittiporn NAGAPRADIP
- EGAT Transmission Equipment Performance Assessment System- (Thailand)- Dr. Tanachai LIMPASUWAN
- Transient Stability Investigation on Single Pole Tripping Scheme of the 230 kV Transmission Line in Nam Ngum 2 Hydro Power Project- (Thailand)- Mr. Vatee LAOHAROJANAPHAND
- Overview of Cross Border Trading between Thailand and Neighboring Countries- (Thailand)- Ms. Nammon LERTCHITCHARAT
- Power Grid Management for the Increased Renewable Energy Generations in Thailand- (Thailand)- Mr. Worrarong WONGLIMAMORNLEERT
- Welcoming AEC; Another EGAT's Challenge- (Thailand)- Ms. Somruedee TIPMABUTR
- Mitigation of Magnetizing Inrush Due To Switching of HT Transformers in the Power Distribution System of a Typical Process Plant- (India)- Dr. J.K. Das D. Chakraborty
- Methodology for Lightning Impulse Testing of Three Phase Combined Instrument Transformers- (India)- Dharmesh Yelamanchi
- BHEL experience in the EHV Cables for Power Transmission- (India)- Raj Kumar; D.K.Mandal; Rakesh Singh; Gautam Chaklader
- Operation and Dynamics of VSC-HVDC Transmission system- (India)- Tirupathi Reddy, Sanjeev Kumar Srivastava, Aruna Gulati, Renuka Gera
- Emerging Solutions for Transmission Line Compaction- (India)- D. Prasad, K. Ramadass, G. Agarwal, P.K. Reddy and Md. I. Khan
- Smart Grid- (Malaysia)- Ridzal Othman, Dr
- The Ground Fault Neutralizer – Smart Bushfire Protection for Australia- (Sweden/ Australia)- Klaus Winter, Stockholm / Ken Barber
- Field experience and reliability test for the new EasyDryResin Impregnated Synthetic technology condenser bushing- (Malaysia)- Gobi Kannan

## PAPERS SELECTED FOR POSTER SESSION

- Management of Process Automation of Electrical Power Systems-(Brazil)- Sônia Ribeiro Campos
- The Online Monitoring and Early Warning of Subsynchronous Oscillation Based on the Big-Data Technology- (China)- Bai Shuhua, Jiao Shaohua, Li Juan
- A typical WAMS network consists of Phasor Measurement Systems (PMUs)- (India)- Shyamala Venkataraman
- Automatic Demand Management System (Adms) In Madhya Pradesh using multiple Scada Systems- (India)- P A R Bende/A.K. Choubey/ R.K. Gupta/J Agasty, CE /SE/EE/ EE SLDC
- The Development of 400kV Transformers with Synthetic Ester-based Dielectric Liquids- (India)- Mark Lashbrook, Nitin Satija, Russell Martin
- Dynamic Switching of 2nd Harmonic Feature in Transformer Protection IEDs – (India)- P.K.Gargava, EE, MPPTCL, India - K.N. Dinesh Babu, Lead Application Engineer, GE, India
- Smart Substation Solution with Process bus (Hard Fiber) Technology- (India)- Saeid Shoarinejad, Jorge Seco, Jorge Cardenas, K.N. Dinesh Babu, A Kathiresh
- Integrated Role of Dielectric Fluids in Power Transformers and Shunt Reactors- (India)- K. Baburao, Nalin Nanavati, P.N. Narayanan
- Sub Stations – Modern Online Condition Monitoring Techniques in Substations for Maximising Substation Availability- (India)- Sukhbir Kapoor, Amit Kothari
- Design And Erection Aspects of India's First Indoor Dc Yard At Agra Converter Station For Nea 800 Multi-Terminal UHVDC Project- (India)- Nishant Singh, B.V. Gautam, Annamalai, Asif Rizvi, Sanjeev Shrivastava, Aruna Gulati, Anupam Verma, Deep Shikhar, Lakshman Sarkar, Renuka Gera, Ramesh Koul, M.I. Khan, V.K. Chohan, Abhay Kumar, ABB
- Super Hydrophobic Coating for Porcelain Insulator and Life Enhancement of Grid Connected Three Phase Equipment's- (India)- ISAAC R, Kamal Bansal, Dean, Rajeev Gupta, UPES, India , K.N. Dinesh Babu, GE
- Development of Geospatial Information and Decision Support System (Geospatial – IDSS) for EHV Power Transmission Line Projects Execution- (India)- C. Suresh Babu Reddy, Head – TL Design
- Synchronization of 500MW Unit of WR Region Grid to NR Region Grid , New approach for Power Transfer- (India)- J Tiwari, AGM (EMD), D. Ghosh, AGM (EMD), S.K. Singh, DGM
- The Use of Simplified Method in Determining The Back Flash Over Rate- (Malaysia)- Dr. Ab Halim Bin Abu Bakar A.H.A. Bakar, Chia Kwang Tan, H.A. Illias, H. Mokhlis
- A Propose Framework for Architecting the Communication system Security in Power Utility- (Thailand)- Dr. Surat Tantertid
- Development Of Power System Equivalents For NEA 800 Multi-Terminal UHVdc Project- (India )- Annamalai. A, Sanjeev Kumar Shrivastava, Aruna Gulati, Renuka Gera (BHEL), Anna-Karin Skytt, ABB,
- Modeling of Synchronous Motor for tuning of PSS-A case study- (India)- Tirupathi Reddy, Sanjeev Kumar Srivastava, Aruna Gulati, Renuka Gera
- Optimal Insulation Design Algorithm For Instrument Transformer- (India)- Umamaheswara Rao. Theru, Naveen. Gandham
- An analysis of special testing methods based on Field Testing Experiences of UHV Equipments- (India)- D Maheswaran, Selvaraj, R Kasiraj
- Electrical Equipment Reliability with Ultrasound- (India)- Manohar Chidurala, Operations Manager for IMENA Region
- Key Technical Analysis of Power Cable Structure Recovery Based on Mould Melt Joint- (China)- Haijie Zhong, Yunjie Xia, Zhenjie Liang
- Simulation Model Validation Through Site Test: Myth Or Reality- (Malaysia)- Mohd Nasir Ahmad, Wong Yow Kee