

**INTERNATIONAL R&D CONCLAVE ON 20<sup>TH</sup> -21<sup>ST</sup> FEBUARY, 2018,**

**HALL NO.5, VIGYAN BHAWAN, NEW DELHI**

**LIST OF SELECTED PAPERS FOR PRESENTATION IN THE CONCLAVE:**

**DAY 1: 20<sup>TH</sup> FEB 2018, SESSION 1 : THERMAL**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	BHEL	Experimental Study On The De-NOx Efficiency Of Various Vanadium Based (V <sub>2</sub> O <sub>5</sub> )Catalysts For Selective Catalytic Reduction(SCR)In Coal Fired Power Plants	<b>THERMAL</b>	N.SIVA RAMA KRISHNA,I. NAGA MOHAN, DSM RAO,CM MADHUSOODANA,G. THIRUPATHI,PRABH UDEVA
2	NTPC	Biomass Co-Firing In Indian Power Plants	<b>THERMAL</b>	AMIT KULSHRESHATHA, ASHWINI KUMAR VERMA
3	GE	Coal Plants Flexibility In India : Impact Of Efficiency, Reliability And Life Time	<b>THERMAL</b>	CHINMOY MOHANTY, PRABHU, MAHESH KENDHE, HENRIK NIELSEN, MICHAEL HAUX, XIAO-YI ZHANG, NITIN AGARWAL
4	CSIR	High Ash Coal Gasification In Fluidized Bed Gasifier Challenges And Opportunities	<b>THERMAL</b>	P.D. CHAVAN, ARGHYA BANERJEE, VISHAL CHAUHAN, NAVNEET K GUPTA, G. SAHU, SUJAN SAHA, P. DUTTA, P.K. SINGH
5	TATA POWER	Design & Operational Challenges In Flexibilization Of Thermal Powers Plants	<b>THERMAL</b>	N GOPALAKRISHNAN UNNI, CP TIWARI
6	JCOAL JAPAN	Updates on R&D of IGCC in Japan	<b>THERMAL</b>	TETSUO SHIKATA
7	SIEMENS	Flexible Operation Of Thermal Power Plants In India	<b>THERMAL</b>	SANDEEP CHITTORA

**DAY 1: 20<sup>TH</sup> FEB 2018, SESSION 2 : HYDRO**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	SJVN LIMITED	First Filling Of Water Conductor Systems- Challenges And Mitigations With Specific Reference To Rampur Hep-412 Mw	<b>HYDRO</b>	L.M.VERMA,RA KESH SEHGAL, JASWANT KAPOOR
2	THDC	Alternative Methods For Design Of Support System For Underground Power House Caverns Of JTSEP(108MW): DPR Stage	<b>HYDRO</b>	R.K. VISHONI, T.S. RAUTELA, A.K. BANONI, Sr. MRG.
3	MANGDECHHU HYDROELECTRIC PROJECT AUTHORITY,BHUTAN	Innovations Implemented in 720MW Mangdechhu Hydro-Electric Project, Bhutan	<b>HYDRO</b>	A.K. MISHRA, R.K. CHAUDHARY, I. AHMED
4	NHPC LIMITED	Targeted Solution Through Emerging Geophysical Technology In Resistivity Imaging, Seismic Tomography & Ground Penetration Radar (GPR) For Optimization Of Geological Uncertainties In Hydropower Project	<b>HYDRO</b>	S.L. KAPIL, JYOTIRMOY, MOHINDER PAL SINGH, S.S.BARIHA
5	TATA POWER	Geological Surprises In Hydro Power Plants/ Projects	<b>HYDRO</b>	ANJALI KULKARNI, SURENDRA CHANDOLKAR
6	CEA HPA	Challenges In Hydro Sector In India	<b>HYDRO</b>	ARPITA UPADHYAY, SHARVAN KUMAR, P C JILOHA
7	IIT ROORKEE/THDC	Design Challenges on Redundancy in Power and Control Circuit of Large Variable Speed Hydro Generating Unit	<b>HYDRO</b>	RAGHU SELVARAJ, KARTHIK DESINGU, ANTO JOSEPH, THANGA RAJ CHELLIAH

**DAY 1: 20<sup>TH</sup> FEB 2018, SESSION 3 : RENEWABLE**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	CPRI	A Snapshot Of Research And Development Projects Undertaken By CPRI during The 12th Five Year Plan	<b>RENEWABLE</b>	A. CHAKRABORTY, R.A. DESHPANDEY
2	YELLOW TROPUS	Energy Generation And Water Savings From Floating Solar PV (FSPV)Power Plants	<b>RENEWABLE</b>	VIVEK JHA
3	I.I.T. BOMBAY	Emerging Issues In Large-Scale Wind Intergrated Power Systems And Their Potential Solutions	<b>RENEWABLE</b>	ZAKIR H. RATHER, HAZEM KARBOUJ
4	B.B.M.B.	Perovskite-Based Low-Cost And High-Efficiency Solar Cells	<b>RENEWABLE</b>	TAJINDER KAUR
5	MSPGCL	Municipal Solid Waste To Energy Power Plant By Feasibility Study Of Waste To Energy Possibility In India	<b>RENEWABLE</b>	RAVINDRA DESHPANDE, AJAY BAMNE,
6	VISION MECHATRONICS PVT. LTD.	Economic Energy Storage Solution In Renewable Energy Specifically For India	<b>RENEWABLE</b>	RASHI GUPTA
7	NTPC	Battery Energy Storage System For Optimum Solar Energy Integration And Enhancement Of Grid Security At Andaman Island.	<b>RENEWABLE</b>	S.S. MISHRA, SUBIR KARMAKAR

**DAY 2: 21<sup>ST</sup> FEB 2018, SESSION 1 : TRANSMISSION**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	KLOVER TEL,PFIFFNER TEC. LTD.	Power Quality Measurement; Importance, Gaps and Technologies	<b>TRANSMISSION</b>	ERIK SPERLING, MR. ROMAN RÖTHLISBERGER,KU MAR MUKUND
2	STERLITE POWER TRANSMISSION LTD	Challenges & Achievements Of Indian Transmission Line Industry And Emerging New Global Technologies	<b>TRANSMISSION</b>	Dr. DEEPAK LAKHAPATI
3	STERLITE POWER TRANSMISSION LTD	Power Voltage Transformers An Innovative Solution For Directly Tapping Power From EHV Lines To Reduce Diesel Consumption For Telecom Towers	<b>TRANSMISSION</b>	SANIL C NAMBOODIRIPAD, NK. PANDA, SACHIN DESHPANDE, VISHAL GOKHALE, VIVEK KARTHIKEYAN
4	CPRI	An Innovative Solution For Online Testing Of Power Transformers	<b>TRANSMISSION</b>	MANOHAR SINGH, VISHNUVARDHAN.T, K.S. MEERA
5	ARCTURUS BUSINESS SOLUTIONS	Unmanned Aerial Vehicle (UAV) Enabled Stringing	<b>TRANSMISSION</b>	SANDESH MISHRA
6	APPLIED MATERIALS INDIA PVT.LTD.	Fault Current Limiter Selection Considerations For Utility Engineers	<b>TRANSMISSION</b>	K.TEKLETADIK, P. LUBICKI, S.NICKERSON, J.LUDLUM,P.MURPHY, V.DABEER
7	PGCIL	Smart Grid Towards Energy Transition	<b>TRANSMISSION</b>	I.S. JHA, SUBIR SEN and others

**DAY 2: 21<sup>ST</sup> FEB 2018, SESSION 2 : GRID OPERATION**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	COIMBATORE INSTITUTE OF TEC.	Optimization Of Energy Harvesting From Solar Micro Grids Through Distributed Storage & Vehicle Grid Integration Strategy With Demand Response/Predictive Scheduling Framework	<b>GRID OPERATION</b>	Dr. MANIKANDAN, Dr. ELANGO, Dr. G. MANAVAALAN, A.D. THIRUMOORTHY, D. VIJESWARAN, S. RAVICHANDRAN, Dr. RAJIT
2	G.E. POWER	Reliability Assessment Of Indian Power System For Renewable Integration In 2022	<b>GRID OPERATION</b>	Dr. ANKITA SAMUI, RUSHIKESH DESHPANDE, ARUN UNNI, Dr. RAVI SEGAL, DEEPAK GUPTA, DISHA AGARWAL
3	ERDA SUZLON	Power Quality Monitoring And Assessment As Per CEA Guidelines	<b>GRID OPERATION</b>	VIKR AM K. NAWADKAR, NIKHIL S. GUJAR, SHEFALI TALATI, NARESH PANCHAL, PULIN SHAH, V NANDAKISHORE REDDY
4	STERLITE POWER TRANSMISSION LTD	Enhancing Flexibility Of Transmission System Using Power Flow Controller & Dynamic Line Rating	<b>GRID OPERATION</b>	MOHAN BABU PALADUGU, ANANTHA KUMAR R
5	ODISHA POWER TRANSMISSION LTD.	Load Accessed Directional Relay (LADR) An Innovative Approach To Power System Stability.	<b>GRID OPERATION</b>	P.K. PATTANAIAK, MRITYUNJAYA BISWAL, GURU PRASAD MISHRA, SIBAN BALA
6	SIEMENS	Synchronous Rotating Equipment As Backbone For Renewables	<b>GRID OPERATION</b>	MATTHIAS BACA
7	CEA IRP	Optimal Generation Mix To Meet The INDC Targets	<b>GRID OPERATION</b>	HIMANSHU UPADHYAY, P.E. KAMALA, AMMI R TOPPO, PRAVEEN GUPTA

**DAY 2: 21<sup>ST</sup> FEB 2018, SESSION 3 : DISTRIBUTION**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	SAVITA POLYMERS LIMITED	New Natural Ester-based Transformer Fluid Development - Evaluation of Technical Benefits in the present Indian context	<b>DISTRIBUTION</b>	Dr C.S.NARASIMHAN
2	CARGILL INDIA	Evaluation Of Natural Ester Filled Distribution Transformer- Am Emerging Trend	<b>DISTRIBUTION</b>	RAJARAM SHINDE, NAVEEN JAIN, RAJIB CHAUDHARY
3	CESC CALCUTTA	PQ Issues In CESC's Distribution System	<b>DISTRIBUTION</b>	RAJIB KUMAR DAS
4	I.I.T.BOMBAY	How Supply Side Constraints Affect The Rural Residential Feeder Parameters	<b>DISTRIBUTION</b>	SNEHA SWAMI, GANESH HEGDE, ANAND B. RAO, SATISH B. AGNIHOTRI
5	ARUNAI ENGINEERING COLLEGE	Prospects Of DC Microgrid In Triuvannamalai District, Tamil Nadu	<b>DISTRIBUTION</b>	V. SARAVANAN, M. ARAVINDAN, V. BALAJI, M. ARUNUGAM
6	MMMUT	A Novel Approach For Improvement Of The System Power Factor By Optimally Placed DG And STATCOM In Distribution Systems	<b>DISTRIBUTION</b>	BINDESHWAR SINGH, PRABHAKAR TIWARI, S.N.SINGH

**DAY 2: 21<sup>ST</sup> FEB 2018, SESSION 4 : TRADING/MARKETING & TARIFF**

<b>S.No.</b>	<b>ORGANIZATION</b>	<b>PAPER NAME</b>	<b>CATEGORY</b>	<b>AUTHORS</b>
1	NREL	India And Cross- Border Energy Trading	<b>TRADING</b>	JAQUELIN COCHRAN, DAVID PALCHAK, AMY ROSE, BRENDAN MCBENNETT
2	STERLITE POWER TRANSMISSION LTD	Brazil Transmission Market – Experience of concession model	<b>TRADING</b>	AMITANSHU SRIVASTAVA, NAMRATA MUKHERJEE
3	IDAM	Addressing Challenges For Grid Integration Of Renewable Energy In Indian Power System And Framework For Hybrid Renewable Energy Development	<b>TRADING</b>	AJIT PANDIT
4	IIT DELHI	Flexibility In Transmission Switching For Congestion Management	<b>TRADING</b>	AKHIL KUMAR GUPTA, DEEP KIRAN, A.R. ABHYANKAR
5	CEA IRP	Long Term Power Purchase Agreements (PPA's) And Its Impact On Coal Based Thermal Power Plants	<b>TRADING</b>	PRAVEEN GUPTA, AMMI TOPPO, RAHUL RAJ,
6	LJUNGSTROM	Thermal Power Plant Environmental Compliance At A Much Reduced Cost	<b>TRADING</b>	PRADIP DHIR, Dr. JONAS S. KLINGSPOR
7	CERC	General Network Access- The Concept	<b>TRADING</b>	SHILPA AGARWAL