



Announces Webinars on...

1. Title: Applications of Smart Grid & WAMS

Duration: 03 Days; 17 to 19 July 2020

Areas of Focus:

- Basics of Synchro-Phasor Technology
- Introduction to Smart Grid Technology
- Applications of WAMS - 1 (Oscillation Monitoring System)
- Applications of WAMS - 2 (Dynamic Line Loadability & Model Validation)
- Applications of WAMS - 3 (Disturbance Analysis, Early Warning Systems & Power System Protection)
- Applications of WAMS - 4 (State Estimation, Visualization & Situational Awareness)

Faculty: Sh. Pentayya Polagani, Rtd. General Manager & Head of WRLDC, POSOCO, Mumbai

Brief Introduction:

- ❖ Professional with around 35 years of experience in Power Sector with prestigious organizations like CEA and RLDCs.
- ❖ Vast managerial experience as head of WRLDC and ERLDC, Instrumental in the introduction of Inter-state ABT and Open Access
- ❖ Did consultancy works for implementation of Intra State ABT for Gujarat, Road Map for Intra-State ABT in Maharashtra, system studies for evacuation of power from Sugan Power Station. Transmission and Distribution planning for the state of Goa.

2. Title: RE Integration, SPV Systems, Failure Analysis & Standards

Duration: 03 Days; 31 July to 02 August, 2020

Areas of Focus:

- Integration of Renewable Energy Systems to Grid
- SPV Modules Failure Analysis and Possible Solutions
- SPV Grid Connected Systems
- SPV Systems - Built in Protection Schemes
- Discussion on SPV Module Efficiency & Causes for Low Efficiency under Site Condition
- Overview of Grid Connected Inverters for Use in Ground Mount Solar Power Plants

Faculty: Sh. S. Lokabhiraman, Rtd. SR. DGM (Solar PV Projects & Engineering), BHEL, EDN, Bangalore

Brief Introduction:

- ❖ One of the foremost industry experts in the field of solar energy in India with a vast experience of over 32 years in design, contract engineering and operation & maintenance of off-grid, grid tied and hybrid PV plants.
- ❖ Has been a part of many national and international patents and has published several technical papers in conferences on PV systems including BIPV system.
- ❖ Implemented off grid solar PV plants (ranging from 100 KW to 500KW) at various far flung Islands in India – Such as Sunderbans in WB state, Lakshadweep Islands, Andaman Islands. Development of PWM based Solar controller was also carried out with R&D group

3. Title: Technology & Applications of Smart Grid and Smart Metering

Duration: 03 Days; 08 to 10 August, 2020

Areas of Focus:

- Introduction and Basics on Smart Grids & Understand Functions of Smart Meters
- Manufacturing and Testing Challenges of Smart Meters & Net Metering
- Challenges in Communication Technology Employed in Smart Metering Applications & Smart Grid Communications Networks
- Understand AMI, MDMS, Technology Trends & Challenges in Smart Meter Mass Rollout Issues and Optimisation
- Cyber Security, DLMS and Design Challenges in Smart Meters, Power Quality Requirements in Smart Metering Applications

Faculty: Sh. C. Balasubramanya, Rtd. Sr. DGM, BHEL

Brief Introduction:

- ❖ A professional trainer in smart grids and smart meter technology after retirement from BHEL with over 37 years of experience in various capacities.
- ❖ Had a distinguished career in meter related projects from concept to commissioning heading Meter Engineering, Testing, and Quality Assurance & Project Management. Presented over 60 technical papers at several national and international conferences.

- **Registration fee: Rs. 5,000/- (@18% GST Extra) per participant per webinar**
- **Login details will be sent to the participants on successful registration**
- **Certificate will be issued by NPTI (PSTI), Bangalore**

Send the filled Registration form to: piyali.npti@gov.in

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Mrs. K.S. Madhavi, P.S-II, 9902958767

For further details please visit our website www.nptibangalore.in or www.npti.gov.in/npti_psti_bangalore