National Level Training

PMU for Smart Grid

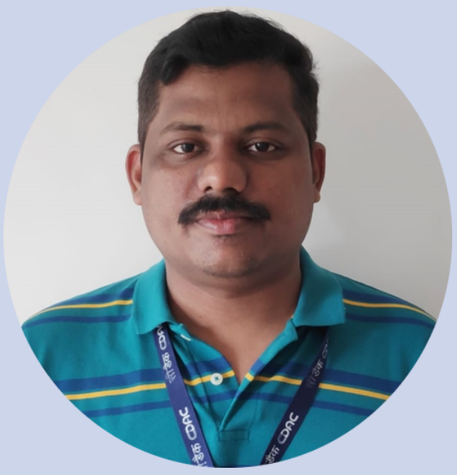
Application, Development, Standards, Calibration and Testing in India

IEEE Power & Energy Society
NITC Student Branch Chapter
and
Industrial Power Group, NITC

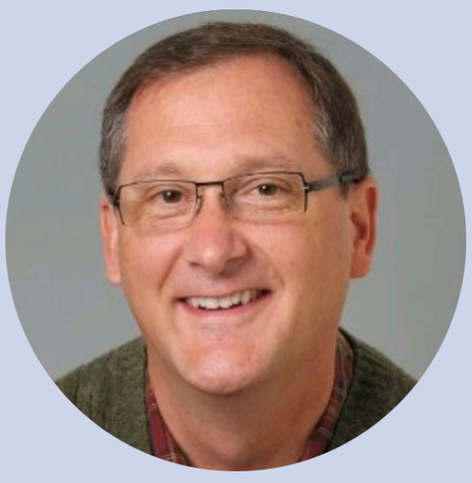
Indigenous Efforts of PMU Design & Development in India

26th October
2 PM – 3 PM IST

Mr. Brijesh completed B.Tech in Electronics and Instrumentation (Cochin University).
He joined CDAC Trivandrum as Staff Scientist in December 2007.
Area of Interest: Synchrophasors, Wide Area Monitoring, Microgrids, Digital Hardware and firmware design for Power Electronics and Power System application.
Projects involved: Development of Synchronised Phasor Measurement Unit, Implementation of Wide Area Monitoring, Grid interactive SPV power plants, Implementation of Microgrids for Indian villages.



Mr. Brijesh P
Principal Engineer
Power Electronics Group
CDAC Trivandrum



Mr. Wally Miller
Senior Product Manager
Fluke Calibration
Everett, Washington

PMU Calibration & Testing Solutions

26th October
8 PM – 9 PM IST

Mr. Wally did B.S. in Electrical Engineering and an Executive MBA from University of Washington.

He has worked with Fluke Corporation for 30 years. At present he is serving as Senior Product Manager in Fluke Calibration.

PMU Protection Application

27th October
11 AM - 12 PM IST

Dr. Deepa completed her bachelor's degree in Electrical and Electronics Engineering from College of Engineering, Trivandrum and also, she has done PhD from the College of Engineering, Trivandrum in Power Systems.

She joined Power Grid Corporation of India Limited (PGCIL) in 2009 as an Executive Trainee and presently she is the Deputy Manager of PGCIL, Thiruvananthapuram.

Dr. Deepa S Kumar
Deputy Manager
Power Grid Corporation
of India Ltd.
Thiruvananthapuram,
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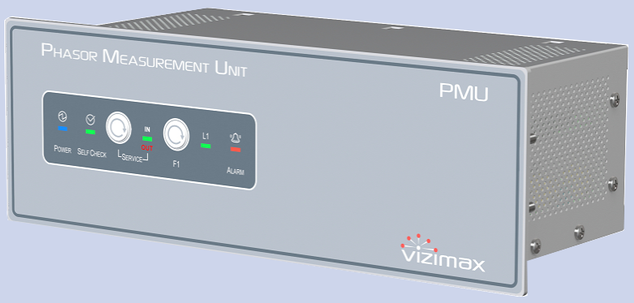

For more information on PMU scan the given QR code

About PMU

Phasor Measurement Unit (PMU) is a smart technology that estimates the voltage phasor, current phasor, frequency, and rate of change of frequency (RoCoF) in the power systems using a common time source for synchronization. Time synchronization is usually provided by the Global Positioning System(GPS) which helps to get real-time measurements at different locations of the power systems.

A typical commercial PMU can report measurements with a very high resolution, up to 120 measurements per second. PMUs are the basic block of Wide Area Monitoring Systems (WAMS). Deployment of these technologies in the grid, now a day, the conventional grid is transforming into smart grid. Various benefits of using PMU includes power systems state estimation, post-disturbance analysis, power system restoration, adaptive protection, Oscillatory Stability Management, Sub-synchronous Oscillation Monitoring, Power Angle Stability analysis.

For registration:
https://forms.gle/zmKXkZTzvZFiUw8f6

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