

**CSIR Sponsored One Day National Seminar
on
"Wide Area Monitoring, Protection and
Control in Future Smart Grid"
(WAMS2020)**

REGISTRATION FORM

Name: _____

Designation: _____

Dept.: _____

Institution: _____

Mobile No: _____

Email: _____

Address for Communication

Accommodation Required: YES / NO

SPONSORSHIP

Mr./Ms./Dr.-----
-----is an employee
of our Institute/Organization and is hereby
nominated to attend the programme.

Registration Fee Payment Details:

DD No. _____

DD Date: _____ Amount: _____

Place: _____

Date: _____

Signature of
Sponsoring
Authority

Office Seal

ABOUT WAMPAC

Wide area monitoring, protection and control systems (WAMPACs) have been recognized as the most promising enabling technologies to meet challenges of modern electric power transmission systems. WAMPAC systems improve the reliability and security of energy production, transmission and distribution, particularly in power networks with a high level of operational uncertainties.

Reliability, economics, environmental and other social objectives must be balanced to optimize the grid assets and satisfy growing electrical demand. For this, WAMPAC use multiple time-synchronized sensors, known as Phasor Measurement Units (PMUs) to acquire precise phasor and frequency information.

OBJECTIVES AND SCOPE OF THE SEMINAR

The primary objective of this CSIR sponsored seminar is to discuss specific problems and challenges of Wide Area Monitoring, Protection and Control in Future Smart Grid.

Since future power networks will become more and more complex and more difficult to predict during both steady-state and transient conditions, WAMPAC systems will become an indispensable addition to every control room. Therefore, overview of the WAMPAC and PMU applications will provide opportunity to the participants to identify possible problems for research.

Panel Discussion is scheduled to discuss and identify specific research and development challenges as well as deployment issues which could be converted into a problem statement for PG students engaged in Project/Research work in the area of Wide Area Monitoring, Protection and Control in Future Smart Grid.

TOPICS

- PMU internal architecture and modeling aspects
- Wide Area Monitoring, Protection and Control (WAMPAC) - Architecture and Applications
- PMU data based disturbance analysis

WHO CAN ATTEND?

The seminar is designed for:

- Electrical Engineers, Protection Engineers & Operation Engineers from Public Energy/Power Boards /Corporations in the Energy/Power sector including Equipment Manufacturers and Consultants, R&D organizations, etc.
- Faculty Members and Research Scholars from University Colleges/ Departments/ Engineering Colleges who are working in the broad area of Smart grid and WAMS.
- Final year UG, PG students and PhD Scholars in Electrical and Electronics Engineering with specialization in Power Systems

HOW TO APPLY?

The applicants should send filled-in registration form through the Head of the Department/ Institution on or before 07.01.2020 to the Organizing Secretary.

REGISTRATION FEE

UG/PG students /Research Scholars	Rs 200/-
Faculty members & Delegates from Industry	Rs 300/-

Registration can be made through DD drawn in favour of "The Principal, Amrita College of Engineering and Technology" payable at Nagercoil.

IMPORTANT DATES

Submission of Application	07.01.2020
Intimation of Selection	09.01.2020
Registration	10.01.2020

ADDRESS FOR CORRESPONDENCE

Dr. S. Anitha Kumari
Organising Secretary – WAMS2020
Department of EEE, Amrita College of
Engineering and Technology
Amritagiri, Erachakulam-629 902
Kanyakumari District, Tamil Nadu.

Mobile: +91 7823979952,

E-mail: s_anithakumari@ amrita.edu.in

ORGANIZING COMMITTEE

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ORGANISING SECRETARY

Dr. S. Anitha Kumari

Asst. Prof., Dept. of EEE, Amrita CET, Nagercoil

ORGANISING COMMITTEE

Mr. A.V. Sree Kumar,

Mr. Binod Chandran Kaimal,

Assistant Professors, Dept. of EEE

HOW TO REACH AMRITA-NAGERCOIL?

The lush green campus of Amrita College of Engineering and Technology is situated in Amritagiri which is about 5 kilometers north of Nagercoil, the head quarter of Kanyakumari District. **Nagercoil Railway station is 7 km from the campus.**

RESOURCE PERSONS

Dr. Manas Kumar Jena,

Assistant Professor, Indian Institute of Technology Palakkad. He received his Ph.D. in Power System Engineering from the Department of Electrical Engineering, Indian Institute of Technology Delhi, in 2018. He served as a Subject Matter Expert (SME), at General Electric (GE-Power) from March, 2018 to June, 2019. He is the recipient of Indian National Academy of Engineers (INAE) Innovative Student Projects Award 2018- Doctoral Level, POSOCO Power System Award (PPSA)-2019 and Impact Award at GE for "Development and delivery of Phasor Analytics Software Solution to ONS-Brazil." Dr. Manas and his team provided WAMS based software solutions to various utilities/Operators across the world which include PGCIL-India, ONS-Brazil, ISO-New England, American Electric Power-USA, Tennet-The Netherlands etc.



Mr. Aravind M.N.,

obtained his Master Degree in Power Systems from National Institute of Technology, Calicut and B.Tech from Government Engineering College, Thrissur. Presently, he is working as an Associate Scientist, ABB Global industries and Services Pvt. Ltd., Bangalore.



He worked for PRDC, Bangalore as an R & D Engineer for 2 Years after graduation. He has also worked in collaboration with Southern Region Load Despatch Center (POSOCO), Bangalore for building a dedicated software tool for disturbance analysis using PMU data. He has received the POSOCO best thesis award for his M.Tech work. He is an expert in the areas of power system protection, WAMS, PMUs, supervised protection methodologies and disturbance analysis.



**Council of Scientific and Industrial Research
(CSIR) Sponsored**

One Day National Seminar on

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(WAMS2020)"**

11th January 2020

Organized by



श्रद्धावान् लभते ज्ञानम्

**Department of Electrical and Electronics
Engineering**

**Amrita College of Engineering
and Technology**

**(Managed by Mata Amritanandamayi Math,
Kollam)**

**-Approved by All India Council for Technical
Education, New Delhi and Affiliated to Anna
University, Chennai.-**

**Amritagiri, Erachakulam - 629 901
Kanyakumari District, Tamil Nadu.
Phone: 04652 – 281466, 78239 79952**

**www.amrita.edu.in,
hodeee_acet@amrita.edu.in**