Technical Co-sponsored by IEEE Power & Energy Society and Asia Power Quality Initiative (APQI – India)

IEEE PES & APQI Workshop on Power Quality

Vellore Institute of Technology, Vellore

12-13 December 2018

2018

Department of Energy and Power Electronics

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 33,000 students. Students from all the states of India and from more than 50 countries are studying at VIT Deemed to be University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP).

The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India in the year 2016 and in 2017. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes. VIT is the first and only Institute in India to get 4 star rating from QS, the world universities ranking organization. The Industry consortium FICCI, has declared VIT as the "University of the Year 2016", in India. VIT has also been ranked in the top 201-250 in QS BRICS Ranking in 2016 and in the top 251-300 in Times Higher Education (THE), Asia Ranking.

SCHOOL OF ELECTRICAL ENGINEERING

School of Electrical Engineering (SELECT) has **109** faculty members who have done their UG and PG degrees from the top-notch universities. The School offers B.Tech (Electrical and Electronics Engineering), B.Tech (Electronics and Instrumentation Engineering), M.Tech (Power Electronics and Drives) and M. Tech (Control and Automation), M.S. by Research and Ph.D. in Engineering.B.Tech (Electrical and Electronics Engineering) and B.Tech (Electronics and Instrumentation Engineering), is accredited by the Engineering Accreditation Commission of ABET.

All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), U.K. The placement record of the School has always been impressive. Almost 100% of the students get job from the campus placement and many of them are getting it in core companies every year.

The School has state-of-the art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. Every year, students get scholarships to do their final year projects abroad under the Semester Abroad Program (SAP). Schneider Electric, India and NxP Semiconductors, India, have established Centre of Excellence for students R&D activities under the guidance of faculty members and Industry experts.

The School has signed MoUs with many foreign Universities, research organizations and Industries from where students get benefits for their R&D Work / Projects from the MoUs.

Asia Power Quality Initiative (APQI), is an independent and neutral platform that would build awareness and capacities on issues related to Power Quality. The initiative has local chapters in as many as seven Asian and Southeast Asian countries under the APQI Platform. In India, the ICA India facilitates the initiative. APQI work with a wide range of academicians, policy makers, regulators, engineers and energy professionals in India, China, Thailand, Malaysia, Indonesia, Philippines and Vietnam. The Asia Power Quality Initiative (APQI) is currently in its ninth year. This neutral platform, supported by national support network (NSN) partners, continues to carry out activities towards capacity building and awareness creation amongst various stakeholders especially in IT/ITES, Data Centre, Commercial building and Industrial sector. APQI also work to facilitate regulatory and standards initiative in respective country. APQI would be happy to facilitate effort in capacity building of utility engineers and facility managers, a vital stakeholder, in PQ domain and like to be the catalyst in implementation towards better PQ environment, avoiding enormous economic impact or loss.

APQI provide a neutral platform for exchange of knowledge and best practices concerning power quality. APQI website (www.apqi.org), supported by Leonardo Energy - Europe, is the single largest resource for discussion papers, research and data on power quality in all the countries APQI work. APQI work with a focus on shared learning, transparent exchange of information and active engagement in the field. APQI growing knowledge base on PQ offers description, diagnosis and recommendations that can help better apply and understand issues concerning Power Quality. APQI believe that in the era of Smart Grid and Digital control, PQ is a key area for operation maintenance professionals in industry sector. APQI activities bring together international organisations, governments, industry, non-governmental organisations and academics.

IEEE PES & APQI WORKSHOP ON POWER QUALITY

As world urbanization continues to grow and the total population expected to double by 2050, there exists an increased demand for intelligent, sustainable environments that reduce environmental impact and offer citizens a high quality life. Power supply reliability and quality is key to the digital transformation of any society in providing quality of life through information and communication technologies. In addition, power quality is key to Healthcare Technology, Data Centres, eCommerce and Industrial Automation. The proliferation of electronic and computer devices has increased the significance of power quality as never before. Recent power outages on data centres cost millions to ICT industry. Morever, power outages and voltage fluctuations can be fatal to patients in Hospitals.

Power quality is also an important topic for research scholars especially those working on Microgrids, Distributed Generation and Smart Grid. The application of Power Electronics in the Power System requires thorough knowledge of Power Quality standards, characteristics, monitoring and analysis.

Two-day workshop on Power Quality provides an opportunity to industry and utilities to understand the importance of power quality issues to the Indian industry and researchers with an ability to model, monitor, and analyse the problems from both industry and researcher perspective.

IEEE PES & APQI WORKSHOP ON POWER QUALITY, 12 – 13 December 2018

Participant Registration Form

REGISTRATION DETAILS: (LAST DATE 7TH December, 2018)

Full Name (Ms/Mr/Dr/Prof):_____

Designation: _____

Affiliation: _____

eMail: _____

Mobile: _____

Registration Fee Only: Industry Participants: Rs 5000

(50% discount for FIRST 30 industry participants)

Faculty: Rs 3000 and Research Scholars: Rs 2500

(UG/PG Student Member with ID Proof) Rs 1500

Online Registration Link: http://info.vit.ac.in/conference/powerquality/apply.asp

Declaration: The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and attend the course for the entire duration.

Place :

Date :

Signature of Participant:

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