

SESSION I: Keynote Address

This conference is focused on delivering the advancements in the Smart Grid Control, Renewable Energy Sources, Energy Efficiency, Power Quality and Electric Vehicle Charging by Academics and Industry personnel all across the world. The sessions are planned to connect both industrial aspects and academic research through online presentations.

Registration Process

Registration for the Virtual Conference Recent trends on Renewable Energy, Smart Grid, and Electric Vehicle Charging can be made by registering through online using the following link:

<https://tinyurl.com/y7svkqz>

Full paper can be send to: RESGEVT20@vit.ac.in

Registration Fee

Open access journal publication fee details will be communicated to corresponding author once paper is accepted and presented based on the domain and quality.

Important Dates

Last Date for Registration : 30 June 2020

Acceptance Notification : 04 July 2020

Conference Date : 09 July 2020



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VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Virtual Conference on Recent Trends on Renewable Energy, Smart Grid and Electric Vehicle Technologies

9th July, 2020

Organized by



School of Electrical Engineering
Vellore Institute of Technology

In Association
with



جامعة الامير سلطان
PRINCE SULTAN
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**VICTORIA
UNIVERSITY**
MELBOURNE AUSTRALIA

About the Institution

VIT was founded in 1984 as Vellore Engineering College by the Chancellor, Dr. G. Viswanathan. From its humble beginnings, the institution has grown exponentially to that of more than 35,000 students. It was conferred the University status in 2001 in recognition of its excellence in academics, research, and extracurricular initiatives. Currently, VIT has 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP). VIT has been consistently ranked among the best institutions of the country and is aspiring to emerge as a global leader. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India. With students from all the states of India and from more than 50 countries, the cosmopolitan VIT provides an appropriate ambience for holistic learning and comfortable living. Sports, games and cultural activities are an integral part of student life on campus. VIT holds an exemplary placement record by consistently placing more than ninety percentage of the students in good companies. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure. VIT alumni, spread across the world, are serving the most-advanced as well as the most deprived.

About 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), the 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). Danfoss Industries Pvt. Ltd. India, 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.

About the Virtual Conference

The Virtual Conference on Recent trends on Renewable Energy, Smart Grid, and Electric Vehicle Charging is a platform for researchers, academics as well as professionals from all over the world to present, discuss and promote advances in knowledge, research, and practice in the field of Smartgrid, Renewable Energy Integration, Energy Storage System, Power Quality in Smart Grid, Transactive Energy Systems. **RESGEVT-20** is offering a fantastic opportunity to attend a global scientific forum from the convenience of your desktop. No traveling, no hotel expenses, no time

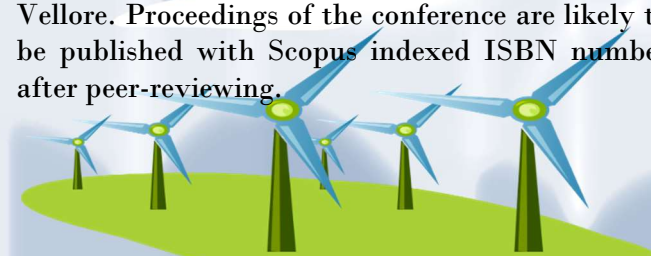
away from the office. The conference runs fully online, from paper submission, including reviewing, conference discussion, and post-conference processing. All papers will be referred to the double tier approval process, single-blind peer-review, and regular check. The online conference is a smart and affordable manner of presenting research results.

Broad Areas

- Renewable Energy system Integration
- Energy Storage System
- Smart grid Applications
- Power Quality in Smart Grid
- Transactive Energy Systems
- Grid Resilience enhancement services
- IOT for Renewable and Smart Grids
- Advanced Metering Infrastructure
- Smart Grid Cyber Security
- Artificial Intelligence Applications
- Communication Protocol and Networking
- Electric Vehicle and BMS
- Soft Computing Techniques
- Big Data and Block Chain Applications
- Energy Efficiency and Energy Economics
- Smart Cities and Sustainable Policies
- EV-Charging Infrastructure
- Autonomous Vehicular Technology

Certification & Publication

Participation and presentation certificates will be issued by the School of Electrical Engineering, VIT, Vellore. Proceedings of the conference are likely to be published with Scopus indexed ISBN number after peer-reviewing.





The International Center for Emerging Markets Research (ICEMR) conducts policy and technical analysis that arises from emerging markets and their continuous need to support and foster rapid growth, implement constant innovation, and spur competitiveness. In identifying the key drivers and effects for each growth factor, we hope to equip researchers, stakeholders and decision makers with effective frameworks and valuable research to better understand the impact, and role, of their decisions in fostering growth in emerging markets.

Dr. Svetlana Balashova

Associate professor, head of the department of economic and mathematical modelling, Executive director of the International Center for Emerging Markets Research at RUDN University – Moscow, Russia.

Dr. Konstantin Gomonov

Associate professor, Department of economic and mathematical modelling, RUDN University, Russia.

Victoria University (VU)



Victoria University (VU) is the University of the West. Victoria University (VU) achieved university status in 1991, but its preceding institutions date back to 1916. VU is one of Australia's few dual-sector universities. Today, VU has over 40,000 enrolled

higher education, and vocational education and training students studying on various campuses.

VU has received the following rankings:

- Ranked in the world's top 2% (Times Higher Education – THE – World University Rankings 2018, 2019 and 2020)
- Ranked 45 in the world's top universities aged under 50 (THE Young University Rankings 2019).

As one of 39 public universities in Australia, graduates can be assured their qualification from VU is being awarded from a university operating in a world-class education system. Being a dual-sector university means that VU's students can easily pathway from vocational education to higher education - such as from a certificate or diploma course through to an undergraduate degree or even a postgraduate qualification by coursework or research.

Prof. Akhtar Kalam

*Head of External Engagement
Leader – Smart Energy Research Unit
College of Engineering and Science,
Victoria University, Australia.*

Aalborg University



Aalborg University (AAU) is a Danish public university with campuses in Aalborg, Esbjerg, and Copenhagen founded in 1974. The university awards bachelor's degrees, master's degrees, and Ph.D. degrees in a wide variety of subjects within humanities, social sciences, information technology, design, engineering, exact sciences, and medicine.

Dr. Jens Bo Holm-Nielsen

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Prince Sultan University, Riyadh



Prince Sultan University (PSU) was originally founded in 1998 as the first private University in Saudi Arabia. PSU is a non-profit institution established in Riyadh by Al-Riyadh Philanthropic Society for Science and licensed by the Ministry of Higher Education.

To promote research in the University community, Renewable Energy Lab (REL) is established to conduct high quality research in the field of renewable and sustainable energy to meet the requirements of the society as per Saudi 2030 Vision. REL aims to provide academic support and scientific consultancy to the national and international industries.

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