

## SESSION 1: Keynote Address

This conference is focused on delivering the advancements in the Electrical Drives Design, Process Control, Automation and Energy Engineering, analyzed by both Academicians and Industrialists all across the world. The sessions are planned to connect both industrial aspects and academic research through online.

## SESSION 2: Presentation

Selected Papers are presented by Authors (UG/PG Students, Faculty, and Industrialists & Research Scholars).

## Registration Process:

Registration for the Virtual Conference can be made by registering through online using the following link:

<https://forms.gle/h6DBL4hf3pvoW88v9>

## 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: 25<sup>th</sup> May 2019

Acceptance Notification: 28<sup>th</sup> May 2019

Conference Date: 04<sup>th</sup> June 2019

## Organizing Committee

### Chief Patron

**Dr. G. Viswanathan**, *Chancellor*

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**Shri. Sankar Viswanathan**, *Vice President*

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### Organizing Chair

**Dr. S. Sivabalan**

*Professor and Dean,  
School of Electrical Engineering,  
VIT Vellore, India.*

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*Professor,  
School of Electrical Engineering*

**Dr. D. Elangovan**,

*Associate Professor & HOD (EPE)  
School of Electrical Engineering*

### Conveners

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*Associate professor(s)  
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# VIT<sup>®</sup>

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



India



Sri Lanka



Sweden



Denmark

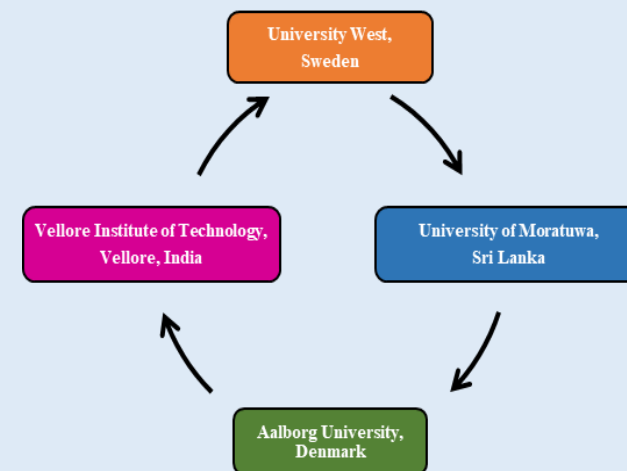
## Virtual Conference

On

**Advances in Electric Drives, Process  
Control and Automation**

**04<sup>th</sup>, June 2019**

Organized  
by



## About the Institute

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 societies.

## 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), 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.

## About the Virtual Conference

Aim of the Virtual Conference on Advances in Electric Drives, Process Control and Automation (VCADPCA2019) is a platform for researchers, academicians as well as professionals from all over the world to present, discuss and promote advances in knowledge, research and practice in the field of Electric Drives, Process Control and Automation. VCADPCA2019 is offering a fantastic opportunity to attend a global scientific

forum from the convenience of your desktop. No travelling, 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 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

- Electrical Machines and Adjustable Speed Drives
- Energy Efficient Control Techniques
- Power Converters and Modeling
- Efficient Energy Utilization
- Power Quality Issues and Solutions
- Smart Grid & IoT
- Green and Renewable Energy Technology
- Process Control Systems
- Soft Computing in Power Systems
- Intelligent Control
- Sensor Fault Detection and Diagnosis
- Embedded Control of Converters and Drives
- Analytical and Virtual Instrumentation
- Diagnosis and Sensing Systems
- Robotics
- Industrial Automation System
- Modelling and Simulation of Drives

## 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 an ISBN number after peer reviewing.

## University West



University West - Production Technology, Trollhättan, Sweden Research Team Production Technology West works on the development of production processes in the manufacturing industry. The focus is in welding, machining, additive manufacturing in metals, thermal spraying (surface treatment), automation, inspection (NDT) and control.

## University of Moratuwa



The University of Moratuwa located on the bank of the Bolgoda Lake in Katubedda, Moratuwa is the most sought after technological university in Sri Lanka. The institution was known as Ceylon College of Technology, Katubedda before gaining university status. Its roots go back to the Institute of Practical Technology founded in 1960 to provide technical education.

## 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.

### Conference Organizing Chair

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#### **Joint-Conference Chair**

Bo Svensson; Mikael Ericsson

#### **Review Chair**

Fredrik Sikström; Kristina Eriksson

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Svante Augustsson; Xiaoxiao Zhang

#### **Publication Committee**

Sudha Ramasamy; Mattias Ottosson

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