

Smart Grid and Green Energy Systems (SGGES'2021)



Naresuan University, Thailand



VIT[®]

Vellore Institute of Technology
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KYUNGPOOK NATIONAL UNIVERSITY

Vellore Institute of Technology, Vellore
Virtual International Conference on
Smart Grid and Green Energy Systems
(SGGES'2021)

Organized by
School of Electrical Engineering
Department of Energy and Power Electronics

Jointly Organized with
Kyungpook National University, South Korea and
Naresuan University, Thailand

Technically Sponsored by



Conference Date: 30-31 July 2021

Organizing Chair

Dr. S. Sivalaban
 Professor and Dean
 School of Electrical Engineering,
 VIT Vellore, India.



Dr.Kalyana C. Veluvolu

Director and Head- Nonlinear control and Bio Signal Processing Lab,
 Kyungpook National University,Daegu, South Korea

Dr.Sukruedee Sukchai

Advisor to the Director, School of Renewable Energy and Smart Grid Technology,
 Naresuan University, Phitsanulok, Thailand.

Organizing Co-Chair

Dr. N.Arun
 Associate Professor & HOD (EPE) School of
 Electrical Engineering

Conveners

Technical Chair	Publications Chair	Finance Chair
Dr. Chitra A Associate professor Department of Energy & Power Electronics School of Electrical Engineering VIT Vellore, India E-Mail: chitra.a@vit.ac.in Mobile:+91 9894760447	Dr. V. Indragandhi Associate professor Department of Energy & Power Electronics School of Electrical Engineering VIT Vellore, India E-Mail: indragandhi.v@vit.ac.in Mobile: +91 97506 03539	Dr. Razia Sultana W Associate professor Department of Energy & Power Electronics School of Electrical Engineering VIT Vellore, India E-Mail: wraziasultana@vit.ac.in Mobile:+91 9943295041

Keynote Speakers

1. Kalyana C. Veluvolu,Director-Nonlinear Control and Bio-signal Processig, Kyungpook National University, Daegu, South Korea.
2. Dr. Cosmas Ogbuka , Associate Professor, Department of Electrical Engineering, University of Nigeria, Nsukka, Nigeria.
3. Dr. Yuvaraja Teekaraman, Senior Researcher, Vrije Universiteit Brussel, Faculty of Engineering Sciences, Department ETEC - Electrical Engineering and Energy Technology
4. Dr Ramani Kannan, Department of Electrical Engineering, Universiti Teknologi PETRONAS, Malaysia.
5. Er. S.S.Biswas, Engineer In Charge (R&D), BHAVINI, Kalpakkam, India.
6. Dr.Chitra A., Associate Professor, Vellore Institute of Tehnology,Vellore.
7. Prof.Dr. Wattanapong Rakwichian, Director of School of Renewable Energy and Smart Grid Technology, Naresuan University, Phitsanulok, Thailand.
8. Dr. D. MadhanMohan, Scientist, ABB Global Industries and Services Ltd, Chennai,Tamil Nadu, India



Vellore Institute of Technology founded by the Chancellor, Dr. G. Viswanathan, from its humble beginnings, has grown exponentially to that of more than 35,000 students. 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), 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 resulting in an exemplary placement record. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure.

About the Virtual Conference

Virtual International Conference on Smart Grid and Green Energy Systems (SGGES'2021) will be a platform for the researchers, academicians as well as professionals from all over the world to present, discuss and promote advances in research and practice in the field of smart grid and renewable energy systems. SGGES'2021 will provide a wonderful opportunity to present your valuable work in a global scientific forum from the convenience of your desktop. As a part of SGGES'2021, many keynote sessions are planned to enhance the research and innovation skills. The keynote sessions will be delivered by eminent professors from academic institutions and renowned industrial experts from India and abroad. The conference runs fully online, from paper submission, including reviewing, conference discussion, keynote sessions and post conference processing. All papers will be referred to double tier approval process, single-blind peer-review and regular plagiarism check. The virtual conference is a smart and affordable mode of presenting the research results on a global platform.

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. Achieved 300-350 rank position in QS world ranking.

Topics of research

- Nonlinear Control
- Bio-Signal Processing
- SCADA Systems
- 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
- Soft Computing in Power Systems
- Sensor Fault Detection and Diagnosis
- Embedded Control of Converters and Drives
- Analytical and Virtual Instrumentation
- Diagnosis and Sensing Systems
- Robotics and Drones
- 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. All the accepted papers will be published in IOP Conference Proceedings: Material Science (Scopus Indexed) after peer reviewing.

Paper and Poster Submission

Paper Submission for the Virtual Conference can be made by registering through online using the following link

Registration Fee

Indian Authors:

Rs. 5500/- per paper (E-Certificate to all the authors and Full Paper Publication)

Rs.500/- Poster Presentation (E-Certificate and E-Proceedings)

Foreign Delegates:

\$100 (E-Certificate to all the authors and Full Paper Publication)

\$15 Poster Presentation (E-Certificate and E-Proceedings)

Important Dates

Last Date for paper submission: 1st July 2021

Acceptance Notification: 15th July 2021

Conference Date: 30-31 July 2021

