IEEE Madras Section, IEEE PELS Madras Chapter

in association with IEEE PELS SEC SB chapter

Organizes

IEEE Technical Talk on

"Empowering sustainability: The Impact of Innovative Power Electronics on Renewable Energy"

Resource Person:

	**Ts.Dr. RAMANI KANNAN *Ph.D.*,** **CEng (UK)., SMIEEE (USA)., MIET(UK)., MIE (I).,** Senior Lecturer and Postgraduate Programme Leader, Department of Electrical and Electronics Engineering **Past CHAIRMAN, IEEE PELS Malaysia Chapter**

Date: 07-03-2024(Thursday)

Time: 10.00 AM-11.00 AM

Venue: VRR Hall

Staff coordinator

Dr.K.Suresh

Asso.Prof/EEE

Ms. R. Kothai

Asst Prof/EEE

Dr.T.Porselvi

SEC IEEE PELS SBC

Advisor

Dr.Azhagumurugan

HOD/EEE

Dr. S. Albert Alexander

Professor, School of Electrical Engineering

VIT, Vellore

Chair, IEEE PELS MAS

Dr.K.Porkumaran

Principal, Chair IEEE MAS

Dr.Sai Prakash LeoMuthu

Chairman &CEO

ABOUT THE EVENT

The IEEE Madras Section, in collaboration with the IEEE PELS Madras Chapter and the IEEE PELS SEC SB Chapter, is organizing a technical talk titled “Empowering Sustainability: The Impact of Innovative Power Electronics on Renewable Energy.” The event will take place on March 7, 2024 (Thursday), from 10:00 AM to 11:00 AM at VRR Hall. The session will be led by Ts. Dr. Ramani Kannan, a senior lecturer and postgraduate program leader in Electrical and Electronics Engineering, who previously served as the Chairman of the IEEE PELS Malaysia Chapter. The event is coordinated by Dr. K. Suresh, Ms. R. Kothai, and Dr. T. Porselvi, with key figures from IEEE Madras and VIT, Vellore, including **Dr. S. Albert Alexander, Dr. K.

PROGRAM OUTCOME

1. Understand the role of power electronics in enhancing renewable energy systems.

2. Explore innovative power electronic solutions for renewable energy integration.

3. Analyze and design power electronic circuits for efficient energy conversion.

4. Evaluate the impact of power electronics on the optimization of solar, wind, and other renewable energy sources.

5. Implement control strategies to improve energy efficiency and sustainability.

6. Examine future trends and advancements in power electronics for sustainable energy systems.