

Biodata of Keynote speakers in EEE ICSEE 2022

Day 1:Keynote speaker

Dr. Prajof Prabhakaran

Assistant Professor

Department of Electrical & Electronics Engineering

National Institute of Technology Karnataka, Surathkal



Date: 05/08/2022

Time: 1:00 -1:45 p.m

Title: Power Electronics Applications in Electric Vehicles

Dr. Prajof Prabhakaran received the B.Tech. Degree in Electrical & Electronics Engineering from Amrita Vishwa Vidyapeetham (Amrita University), Coimbatore, in 2009, followed by the M.Tech. Degree in Power Electronics from the same university, in 2011 and the Ph.D. degree in Electrical Engineering from the Indian Institute of Technology Bombay, Mumbai, in 2018. Dr. Prajof was a Project lead in the Transportation Solutions department, L&T Technological Services, Bangalore, wherein he worked in the research and development of Powertrain and Battery Management System for Electric Vehicle. Dr. Prajof joined the

National Institute of Technology Karnataka, Surathkal in 2019 as Assistant Professor in the department of Electrical & Electronics Engineering.

Dr. Prajof work in the field of power electronics, focusing on renewable energy source-based systems, microgrids, and electric vehicles. Novel power converter topologies with improved efficiency, reliability, and power density, Control of grid-tied inverters and DC-DC converters, optimized design of DC-DC, DC-AC power electronic converters and microcontrollers and their application to power electronics are some of his research interests.

Dr. Prajof has published a number of papers in various international journals including IEEE transactions and conferences. Dr. Prajof has co-authored a book titled “Smart Grids and Micro-Grids: Technology Evolution” and has recently filed two Indian patents. Dr. Prajof is a senior member of IEEE and member of The Institute of Engineers India. He is currently serving as a reviewer of many IEEE Transactions and peer-reviewed journals. About 5 students are working towards the Ph D degree under the supervisorship of Dr. Prajof Prabhakaran.

Day 2: Keynote Speaker

Dr. Biju K

Head

Department of Electrical & Electronics Engineering

College of Engineering

Munnar



Date: 06/08/2022

Time: 9:30 to 10:15 a.m.

Title: Advanced Multilevel Inverter topologies and control strategies

Dr. Biju K received the B.Tech. degree from the Rajiv Gandhi Institute of Technology (RIT) Kottayam, Kerala, India in 1999, the M. Tech. degree in Electrical Engineering from National Institute of Technology, Calicut, Kerala, India in 2009, and the Ph.D. degree from National Institute of Technology, Calicut, Kerala, India in 2020. He is currently working as the Head of the Department of Electrical & Electronics Engineering in College of Engineering Munnar, Kerala, India. He is a Member of Board of Studies of APJ Abdul Kalam Technological University Kerala and an approved Research supervisor of APJ Abdul Kalam Technological University Kerala.

He has published a number of papers in various international journals and conferences. He is a senior member of IEEE and currently serving as the Treasurer of IEEE Kerala Section. He has been a regular reviewer of many IEEE Transactions and peer-reviewed journals. He has actively involved in the organizing committee of several IEEE International conferences. such as TENCON2019, PESGRE2020, PESGRE2022, PEDES2022, etc. He has won several awards in IEEE also. His research interests include multilevel converter topologies, PWM techniques for multilevel inverters, modelling and control techniques for multilevel inverters, Power electronic converters for Electric vehicles etc.