

E-Mobility with Green Energy Technology

Webinar

Organized by IEEE PES Singapore Chapter



Prof Gayadhar Panda

NITM, India

Date: 7 November 2023

(Tuesday)

Time: 3pm – 4.30pm (SGT)

Webinar Link:

<https://newcastleuniversity.zoom.us/j/88030308972>

Meeting ID: 880 3030 8972

Passcode: 586414

Abstract: This presentation mainly focuses on few aspects like importance of green energy technology power converter topology for Renewable Energy Source (RES) integrated EVs, Energy Management, charging infrastructure, power grid Resilience with EVs, etc. This presentation may motivate the young professional to carry out the research work in this particular future smart grid area. It is important to convert the transportation system with net zero carbon emissions that mainly attracts the massive penetration of RESs into the power grid. The effective power management and coordinated control of EV charging infrastructure improves the power grid stability.

Speaker: Prof. Gayadhar Panda received his Ph.D. degree from the Utkal University in 2007 in electrical engineering. Dr. Panda joined NIT Meghalaya as an Associate Professor, Electrical Engineering Department in 2013 and subsequently promoted to the Professor in the year 2017. Currently, he is administered with a temporary position of Director, National Institute of Technology, Meghalaya, India and also associated in various capacities as Dean (Academic Affairs), Dean (Faculty Welfare), HOD, Department of Electrical Engineering, chairperson/member of the national and institutional level committees apart from his academic and research work activities. Dr. Panda has over 24 years of teaching and research experience. To his credit, he has authored more than 150 research papers in various peer reviewed journals and conferences at the national and international level and filed 4 patents. He has also published 1 Book, 5 Book Chapters as well as served as one of the Editors of 1st ISSETA publication in Springer Book Series. He was invited to deliver over 33 keynote / invited talks at National/International conferences, Workshops and Training Programs.



E-Mobility with Green Energy Technology

Webinar

Organized by IEEE PES Singapore Chapter

Dr. Panda serves as TPC Chair or member of various International conferences. Also 09 nos of scholars have been awarded with Ph.D degrees under his supervision and currently 06 nos of Research scholars are pursuing their research work under his supervision. Prof Panda was decorated with the prestigious award of the Power Medal, IE (India) for his published research work and also listed under World's Top 2 Percent Scientist's Published by Stanford University in the year 2020 and 2022. He has completed a good number of sponsored research projects on the integration of renewable energy generation and power quality improvement. He is a Senior Member of IEEE, Fellow of IE (India), and Life Member of ISTE. Dr. Panda serves as an Associate Editor for IEEE Access, ITES, Wiley and IJEEPS, De Gruyter and the technical/steering committees for several conferences. He has organized several technical events like IEEE Conference, Symposium, National Workshops, etc. His research interests are automatic generation control, stability improvements using flexible alternating current transmission system devices, power quality, power electronic converters, and distributed power generation.