



Prof. Vinod John

Assistant Professor,
Department of Electrical Engineering
Indian Institute of Science, Bangalore-560012.

TUTORIAL TOPIC:

Design of Power Inverters Using of High Frequency Power Switches

TUTORIAL:

This tutorial session is intended to give an understanding on the fundamentals of power electronics and design of solid state device based converters that operate at high switching frequency. This is of importance in the context of the possible use of GaN HEMTs in power electronic applications. The tutorial will cover topics on power electronic devices for used in power converters, thermal design and sizing of converters, and selection of components.

PROFILE:

Vinod John is an Assistant Professor in the Department of Electrical Engineering at Indian Institute of Science, Bangalore. He has worked in power electronics in the areas of distributed generation, power quality and high power motor converters.