

9th National Power Electronic Conference (NPEC 2019)

13th – 15th December 2019

The 9th National Power Electronics Conference (NPEC 2019), a biennial conference of Power Electronics forum in India focuses on dissemination of the potential research findings in Industries and academia. It features extensive exposition on Power Electronics through (1) plenary talks, (2) panel discussions, (3) Tutorials, (4) Paper Presentations and so on. NPEC was first organized at IIT, Bombay in 2003 and subsequently in IIT, Kharagpur (2005), IISc , Bangalore (2007), IIT, Roorkee (2010), IEST, Shipur (2011), IIT Kanpur (2013), IIT Bombay (2015) and College of Engineering, Pune (2017) to enhance the interaction of the peers in the field of Power Electronics.

This conference will be a launch pad for many researchers to exhibit the influence of Power Electronics on various applications viz. Industry, domestic, commercial, mobility and electric utility systems. Its impact on effective energy conversion will be envisaged in this forum. Technical sessions by industrial experts will deliberately bring out the recent challenges faced in industry which will provide an opportunity for inspirational minds to solve them. This will lead to a sturdy power electronic community comprising of academicians, research scholars and industry professionals. The development of new circuits and tools for the power electronic systems will also be an outcome of this conference.

The 9th edition of this prestigious conference is to be held at National Institute of Technology, Tiruchirappalli, an institute of national importance which is situated in the banks of river Cauvery and is the top amongst NITs that holds 11th rank in the NIRF rankings. It would be another proud moment for NIT-Tiruchirappalli to organize this conference which will be a formal get-together for the power electronics community.

The theme for this conference would be **“Power Electronic interfaces for effective energy conversion and management”** which will cover, but not limited to the following topics:

Power semiconductor devices and components

Power conversion techniques and topologies

Power electronic interface for utility and renewable energy sources

Electric mobility units

Special machine control and drives

Application specific power electronic interfaces

For more details, please visit <http://npec2019.nitt.edu/>