

Seminar

Institute for Plasma Research

- Title :** Current R&D Activities at the Florida State University Center for Advanced Power Systems in Superconducting Power Devices
- Speaker :** Dr. Pamidi Sastry
Principal Investigator and Lead Scientist of Superconductivity and Cryogenics Laboratory, Center for Advanced Power Systems, Florida State University, USA
- Date :** 18th May 2015, Monday
- Time :** 03.30 PM
- Venue :** Seminar Hall, IPR

Abstract:

After a brief introduction to the Center for Advanced Power Systems (CAPS) at Florida State University and its main research areas, the talk will focus on current R&D activities in the superconducting power systems program. The challenges and the breakthroughs in the development of helium gas cooled superconducting devices for power applications will be presented. Details of the recent successful demonstration of a helium gas cooled superconducting power cable will be discussed. Recent efforts in understanding AC losses in HTS materials including MgB₂ will be discussed.
