



**INDIAN INSTITUTE OF SCIENCE
BANGALORE**

INSTITUTE COLLOQUIUM
(Electrical Sciences)

Professor V. T. Ranganathan
Department of Electrical Engineering

will deliver a lecture

on

**High Power AC Motor Drives :
Status Review and work at IISc**

Date : Friday, 19th November 2010

Time : 4-00 PM

Venue : Faculty Hall

Prof. P. Balaram, Director
will preside

All are cordially invited

Coffee / Tea: 5-00 PM, Reception Hall

Abstract

A variety of solutions are available today from industry for high power variable speed AC motor drive applications, starting from a power rating of a few 100 kW to several 10's of Megawatts. These drives can be classified on the basis of the electrical motor, the power converter and the control technique. The main drive types are reviewed. The salient features of each type of drive are pointed out along with their industrial applications. Following this, some research at IISc which has applications in high power drives is described briefly.