

**INDIAN INSTITUTE OF SCIENCE
BANGALORE -560012**

Cordially invites you to the

**INSTITUTE COLLOQUIUM
(Division of Electrical Sciences)
Indian Institute of Science, Bangalore**

Professor K.V.S. Hari
Chairperson, Department of Electrical Communication Engineering

Title: Realizing the Power of MIMO Signal Processing

Date :Tuesday, 16th February 2016
Venue :Faculty Hall, Main Building
Time : 4-00 p.m.

Prof. Anurag Kumar, Director
will preside

Abstract

Signal Processing systems, which use multiple inputs (signals/sequences) and process them using transformations to generate multiple outputs, are called Multiple-Input-Multiple-Output (MIMO) systems. MIMO systems describe several phenomena in fields spanning biology, neuroscience, chemical engineering, electrical engineering and others. MIMO Signal processing deals with the design of theoretical models, algorithms and implementation architectures.

In this talk, we present several examples of MIMO systems and then consider a few applications like direction estimation, wireless communication and indoor localization. The impact of work carried out by members of the lab will be highlighted in the context of understanding new algorithms, contribution to industry standards and development of working prototypes.

ALL ARE WELCOME

Tea: 5 pm