

Speaker: Bikas Kumar Sinha, Professor (Retired), ISI

Date: February 11th, Tuesday

Time: 11:45am – 12:45pm

Venue: Indian Statistical Institute (ISI), Chennai Centre  
SETS (Society for Electronic Transactions and Security),  
MGR Knowledge City, CIT Campus, Taramani.  
(Landmark: Near IITM Research Park/ Ginger Hotel)

Title: : A Review

Abstract: In this talk we will address the problems of unbiased estimation of parameters in linear and quadratic mixture models. We will discuss some standard mixture designs for this purpose. The information matrices of the parameters involved in the linear and quadratic mixture models will be displayed for these standard designs. Some generalizations of the axial designs have been presented and a comparative study of these designs, in respect of their information matrices, will be considered. Other types of mixture models viz. Becker's homogeneous model and Draper - St. John's models will also be briefly presented and the estimation problems will be addressed by using some axial type designs.