



## American Statistical Association Mid-Michigan Chapter



In celebration of the 2013 International Year of Statistics, the Mid-Michigan Chapter is pleased to announce its 2013 spring meeting. Our guest speaker is Professor Ravi Khattree of Oakland University, Rochester, Michigan.

Ravi Khattree is a professor of Statistics at Oakland University. He received his M Statistics from Indian Statistical Institute and a PhD from University of Pittsburgh. His major research area is applied statistics with special emphasis to multivariate analysis, repeated measures data, classification problems, inference for variance components and bioequivalence. He is the editor and coeditor of several international journals. In the past, Dr. Khattree has served as the Biostatistics Group Leader at the Biomedical Research and Informatics Center at the College of Human Medicine of Michigan State University and a visiting professor at the Department of Epidemiology, Michigan State University. Dr. Khattree is a fellow of American Statistical Association, an elected member of International Statistical Institute, and a winner of Young Statistician Award by International Indian Statistician Association.



**Thursday, April 4, 2013, 7:00 – 8:30 pm**

Chapter business meeting and presentation

Social hour & meeting: 7:00 – 7:30 pm

Presentation: **7:30 – 8:30 pm**

Location: **Central Michigan University, Pearce Hall, Room 138**

Title of presentation: **Antieigenvalues and antieigenvectors in Applied Statistics**

**Abstract:** Antieigenvalues and antieigenvectors have been used in statistical work for several years although they were not characterized by these nomenclatures. However, there has recently been a renewed interest in formalizing this concept and presenting new applications of these. Being closely related to eigenvalues yet, having very different properties than eigenvalues, these quantities are very useful in a variety of statistical problems. Examples include the measures of inefficiency of estimators, measure of association, measure of multicollinearity, estimation of signal to noise ratio and tests for various multivariate problems. The present talk provides a brief survey of statistical work including those indicated above, where these quantities arise naturally. Emphasis will be more on methodology and applications than on theoretical developments.

**Chapter web address:** <http://asa.mth.cmich.edu/>