The Fox School of Business

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Department of Statistics

Temple University

ANNOUNCES A
COLLOQUIUM

Dr. John Stufken

University of Georgia
Department of Statistics

will speak on

Optimal and Efficient Designs for Generalized Linear Models

Time: 3:00 – 4:00 PM
Date: Friday, October 22, 2010
Place: Alter Hall 746

Abstract

The literature on optimal design for linear models is very well developed. In spite of seminal advances over the past decades, tackling the optimal design problem for non-linear models has proven to be much more difficult. Many of the available results for non-linear models have been obtained by clever use of the geometric approach, an approach inspired by Elfving's seminal contribution for linear models. In recent years it has however been possible to obtain more general results for many models through use of a new analytic method. The models covered by this new approach include generalized linear models for binary and count data, such as logistic models, probit models, and loglinear models. We discuss the basic idea underlying the analytic approach, present key results obtained by its use, discuss its limitations, and offer some open problems in this area. This is joint work with Min Yang of the University of Missouri-Columbia.

Guest Parking Available in the **Liacouras Garage**
(Located on **15th Street between Montgomery** and **Cecil B. Moore Avenues**)