Interdisciplinary Seminars in "Applied Probability and Statistics"

http://www.stthomas.edu/mathematics/events/aps/

Fall Semester 2009

3:00 p.m. on Fridays in OSS 227

Series sponsored by the Center for Applied Mathematics

To help plan for refreshments, please RSVP to Arkady Shemyakin at a9shemyakin@stthomas.edu .

October 16:

3:00 – 3:30 Arkady Shemyakin, UST Mathematics

Non-informative Priors and Information Inequalities

The presentation (intended to be accessible to students in junior level Statistics classes) will deal with interesting parallels between contemporary "objective Bayesian approach" to the choice of prior distributions: non-informative priors, Jeffreys' priors, reference priors on one hand, and the author's work on the lower bounds for the Bayes risk on the other hand.

3:30-4 p.m.: German J. Pliego Hernandez, UST CSIS

"Revolution" Applications

"Revolution" application serves to emphasize factors needed to support generalizations from confidence intervals and hypothesis tests. One of the most important parts of a college introductory statistics course is inferential statistics, mostly confidence intervals and hypothesis tests. Inferential statistics deals with supporting generalizations from a small group of observations randomly selected from a population frame, which represents the population to be described. To support such generalization, several factors play their role, which are unfortunately often ignored. This Revolution application helps the user to keep those factors in mind to avoid unsupported generalizations.

November 6:

3-3:30 p.m. Paul Alper, UST Computer Science Emeritus **(title TBA)**

3:30-4 p.m. TBA

December 4:

3-3:30 p.m. Palahela Dayananda and John Kemper, UST Mathematics **(title TBA)**

3:30-4 p.m. TBA