

*The San Antonio ASA Chapter
and
UTSA Department of Management Science and Statistics
welcome*

David Han
Associate Professor
Department of Management Science and Statistics
UTSA

**Condition-based Maintenance Policies under the
Gamma Degradation Process**

Abstract: Condition-based maintenance is an effective method to reduce unexpected failures as well as the operations and maintenance costs. This talk discusses the condition-based maintenance policy with optimal inspection points under the gamma degradation process in order to improve the system reliability. A random effect parameter is used to account for population heterogeneities and its distribution is continuously updated at each inspection epoch. The observed degradation level along with the system age is utilized for making the optimal maintenance decision, and the structure of the optimal policy is examined.

Date/time: Friday, May 5th at 2:00 pm

Place: BB 4.02.10 (Executive Conference Room)
Business Building
University of Texas at San Antonio
Loop 1604 Campus

Parking: Short-term paid parking spaces are located in the Bauerle Road Garage. For a campus map please visit: <http://www.utsa.edu/maps/main-map.html>.

For more information about this event, contact San Antonio ASA Chapter President, David Han at david.han@utsa.edu.