

# **A Copula Model Approach for Regression Analysis of Informatively Interval-censored Failure Time Data**

**Jianguo Sun**

*University of Missouri*  
*E-mail: sunj@missouri.edu*

**Abstract:** "Interval-censored failure time data occur quite often and can have complex structures. Sometime one may face interval-censored data with informative interval censoring and has to deal with even more complicated data structures.

For the situation, one commonly used approach is the frailty-based method. In this talk, we will discuss an alternative approach and present some copula model-based methods for regression analysis of such data."