

STATISTICS COLLOQUIUM

MONDAY, APRIL 2, 2007

TALK: 4:00 PM — SCIENCE CENTER RM. B-10

RECEPTION: 5:15 PM — SCIENCE CENTER, 7TH FLOOR

“Semiparametric transformation models for survival data”

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ABSTRACT

Semiparametric transformation models are a rich class of regression models with diverse applications. They include as special cases the proportional hazards model as well as the proportional odds model. In this talk, I will discuss some recent developments which result in unified approaches to parameter estimation and inferences for survival data. Extensions to more general models as well as more general censoring patterns are also to be covered. Effectiveness of the methods will be demonstrated via simulations and examples.