

**Indiana University-Purdue University  
Indianapolis**  
**Department of Mathematical Sciences**

STATISTICS SEMINAR

12:15pm—1:15pm, Tuesday, September 11, 2018  
LD 265

**Speaker:** Ray Zhang  
*Department of Mathematical Sciences, IUPUI*

**Title:** A short introduction of Stein's method and its applications

**Abstract:**

Stein's method is a sophisticated technique for proving generalized central limit theorems, pioneered in 1970s by Charles Stein. We will discuss the main concepts and techniques of Stein's method for distributional approximation by the normal distribution, and also some applications in statistics and random graphs theory.