

**Statistics Seminar**  
Department of Mathematical Sciences

<b>DATE:</b>	Thursday, September 29, 2016
<b>TIME:</b>	1:15p-2:40p
<b>LOCATION:</b>	WH 100E
<b>SPEAKER:</b>	Yinsong Chen, Binghamton University
<b>TITLE:</b>	Analysis of Casino Shelf Shuffling Machines

**Abstract**

Many casinos routinely use mechanical card shuffling machines. We were asked to evaluate a new product, a shelf shuffler. This leads to new probability, new combinatorics and to some practical advice which was adopted by the manufacturer. The interplay between theory, computing, and real-world application is developed.

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