

Statistics Seminar
Department of Mathematical Sciences

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| DATE: | Thursday, September 29, 2016 |
| TIME: | 1:15p-2:40p |
| LOCATION: | WH 100E |
| SPEAKER: | Yinsong Chen, Binghamton University |
| TITLE: | 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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