



THE UNIVERSITY OF  
**CHICAGO**

Department of Statistics  
STATISTICS COLLOQUIUM

---

ALISA KNIZEL

Department of Mathematics  
Columbia University

A Quest for Universality

THURSDAY, January 9, 2020 at 4:00 PM  
Jones 303, 5747 S. Ellis Avenue

ABSTRACT

Though exactly solvable systems are very special, their asymptotic properties are believed to be representative for a larger families of models. In this way, besides being interesting in their own right, exactly solvable systems are exemplars of their conjectured universality classes and can be used to built intuition and make predictions. I will illustrate this phenomenon of universality with the examples from my work on particle systems, random tilings and log-gases.