THE UNIVERSITY OF CHICAGO

Departments of Statistics and Mathematics
BILLINGSLEY LECTURES ON PROBABILITY

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"Phase Transitions of Random Constraint Satisfaction Problems"

THURSDAY, November 8, 2018, at 4:00 PM
1024 East 58th Street, Kent 120

*Reception following the seminar in **Jones 111**, 5747 S. Ellis Avenue*

ABSTRACT

Random constraint satisfaction problems encode many interesting questions in the study of random graphs such as the chromatic and independence numbers. Ideas from statistical physics provide a detailed description of phase transitions and properties of these models. We will discuss the one step replica symmetry breaking transition that many such models undergo.