

# PLEASE NOTE TIME CHANGE

MICHIGAN STATE UNIVERSITY  
Department of Statistics and Probability

## COLLOQUIUM

### Persi Diaconis

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Stanford University  
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## Mathematics and Statistics for Large Networks

Friday, August 30, 2013  
~~3:00pm — 3:50pm~~ 10:20am-11:10am  
Refreshments ~~2:30pm~~ 10:00am  
C405 Wells Hall

### Abstract:

Large networks abound in modern life. There is also an exciting, emerging theoretical development. This is centered around "graph limit theory" with applications in combinatorics (extremal graph theory, Szemerédi regularity...), probability (exchangeability, limit theory for random graphs,...), and statistics (failure of maximum likelihood, estimation without normalizing constants,...). I will give an introduction to these subjects, trying to keep a balance between theory and the real world. Much of this is joint work with Sourav Chatterjee.

*To request an interpreter or other accommodations for people with disabilities, please call the Department of Statistics and Probability at 517-355-9589.*