## CCSU

## DEPARTMENT OF MATHEMATICAL SCIENCES

## COLLOQUIUM

Friday, March 11<br>2:00-3:00 PM<br>Maria Sanford, Room 101

## ON HITORI AND RANDOM MATRICES

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## ABSTRACT

A Hitori puzzle (http://www.hitoriconquest.com for a sample) starts with an $\mathrm{n} \times \mathrm{n}$ grid of numbers from 1 through n . The object of the puzzle is to block out squares so that each row and column contains at most one of each number. The blocked out squares cannot be edge to edge adjacent (diagonally is permitted) and the unblocked out squares must form a continuous group (between every two unblocked out squares there must be a path containing no blocked out squares, again diagonal squares are not considered adjacent.) In this talk we investigate the possibility (probability) of generating a solvable Hitori puzzle by randomly choosing the numbers.

## For further information:

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