

CCSU  
DEPARTMENT OF MATHEMATICAL SCIENCES

# COLLOQUIUM

Friday, February 28  
2:00 – 3:00 PM  
Maria Sanford, Room 101

## ON THE SQUARE PEG PROBLEM

**JOHN MCCLEARY**

VASSAR COLLEGE

**Abstract:** In 1911 Otto Toeplitz conjectured that on any Jordan curve (a closed curve in the plane homeomorphic to a circle) four points can be found that form a square. The problem is known affectionately as the square peg problem. It has been approached through many different means over the last century. I will give an introduction to the problem, prove some related results, and discuss recent joint work with Elizabeth Denne and Jason Cantarella that shows some of challenges the problem poses.

*For further information:*  
[gotchevi@ccsu.edu](mailto:gotchevi@ccsu.edu) 860-832-2839  
<http://www.math.ccsu.edu/gotchev/colloquium/>