

Undergraduate Colloquium

Title: **Having Fun with Planar Graphs**

Speaker: Songling Shan (Illinois State University)

Location: STV 121

Time: 3:00 - 4:00 pm on Thursday (03/07/2019)

Abstract: Three sworn enemies live in houses in the woods. Each of them has a path to each of three utilities, which are gas, water, and electricity. Is it possible to join the three houses to the utilities in such a way that none of the connections cross? What is the smallest number of colors needed to color the map of the United States so that every pair of states that share a common border have different colors? All these questions will be discussed in this talk.

Department of Mathematics

