COLLOQUIUM

Speaker: **Dr. Xiangqian Zhou, Wright State University**

Title: **Strong Edge-coloring for Planar Graphs**

Date: **Friday, October 27, 2017**

Room/Time: **Meet-n-Greet: 2:30 p.m.   Room 222 MM**
Talk: 3:00 p.m.   Room 224 MM

ABSTRACT:

A proper edge-coloring of a simple graph G is an assignment of colors to every edge of G such that adjacent edges receive different colors.   A strong edge-coloring of G is a proper edge-coloring such that every two edges that are connected by another edge receive different colors. So, in a proper edge-coloring, every color class is a matching, while in a strong edge-coloring, every color class is an induced matching. In this talk, I will give a short survey on open problems in this area and also present some recent progress on strong edge-coloring for planar graphs.

SPEAKER BIO:

Dr. Xiangqian Zhou, also known as Joe, got his Ph.D. in 2003 at the Ohio State University under the guidance of Dr. Neil Robertson. He joined Wright State University in fall 2008. Before that, he held visiting positions at the University of Waterloo, Syracuse University, the University of Mississippi, and Marshall University.