Joint Math Colloquium

Millersville University & Franklin & Marshall College

Speaker: Dr. Kerry Luse, F&M math alum, Clare Boothe Luce Associate Professor and Mathematics Chair at Trinity Washington University

Title: An Introduction to Knot Polynomials

Date: April 11, 2019 (Thursday)

Time: 5-6 PM ** Please Note Starting Time

Place: Franklin & Marshall College, Stager Hall Room 215

Contact: Baoling Ma (717) 871-4263
Baoling.Ma@millersville.edu
Kevin S. Robinson (717) 871-7313
krobinson@millersville.edu

Abstract: This talk will begin with an introduction to knot polynomials, including some history of their use in studying knots. I will then discuss recent work (with Mark Kidwell, USNA) which focuses on the Alexander polynomial of a rational link. In this work, we relate specific terms in the Alexander polynomial $\Delta(x, y)$ of a rational link to the number and length of monochromatic twist sites (self-crossings on one link component) in a particular diagram that we call the standard form.

All Are Welcome!