

1116-N5-1499 **Qiang Shi*** (qshi@emporia.edu). *Using the MAA PREP Program to Enhance Teaching and Research.*

In this presentation, I will share my experience as a participant in several MAA PREP workshops. My first PREP workshop was the Wavelets and Applications workshop at the University of St. Thomas in 2007. In 2009, I attended the Mathematical Modeling in Population Biology and Epidemiology workshop at Texas Tech University. Last year I tried my first online PREP workshop - Authoring Effective Homework Problems with WeBWorK. From my experience, I believe the MAA PREP program provides high-quality professional development opportunities for its participants. These workshops have helped me advance my teaching and scholarship. Using the material that I learned in PREP workshops, I have developed a new course and directed three undergraduate research projects. These projects will be shared at my presentation. (Received September 20, 2015)