Teaching Undergraduate Mathematics via Primary Source Projects
Wednesday January 15, 2020, 9:00 a.m.-10:20 a.m.
Room 605, Colorado Convention Center

This workshop will introduce participants to a classroom-tested approach for bringing history into the mathematics classroom via guided reading projects based on original sources. Designed to actively engage students in doing mathematics as they read and work through the writing of noted mathematicians such as Euler, Cauchy, and Cantor, each “Primary Source Project” (PSP) focuses on a particular topic in the standard undergraduate mathematics curriculum. Workshop participants will begin to explore this approach to teaching and learning mathematics by placing themselves in the role of students as they work together in groups through portions of specific projects. Following this opportunity to grapple with original sources within a guided reading format, participants will discuss how to implement PSPs in the classroom. An overview of the pedagogical benefits of this particular method for using original sources with students will also be provided. Finally, participants will learn about a seven-institution collaborative NSF-funded effort that is designing, testing, and researching the impact of PSPs, including an overview of the existing collection of 50 PSPs and opportunities for instructors to receive ongoing implementation support by becoming a site-tester.

For more information, contact janet.barnett@csupueblo.edu.