Collaborative: Development and Testing of a Secure Programming Clinic
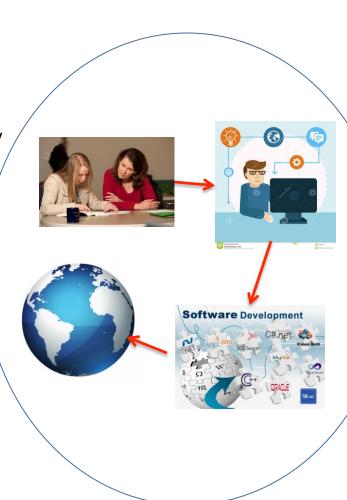
Challenge:

- Improve students' understanding of, and ability to, program robustly (securely)

Solution:

- Develop a Secure Programming Clinc (SPC) to improve students' ability to write secure, robust software
- Develop measures to assess misconceptions and the change in ability of students who use the SPC

Scientific Impact:

- Reduction to security-related problems in software
- Metrics to help us teach software development more effectively

Broader Impact:

- Graduates with these abilities can produce robust, secure software
- Industry, others can improve the quality of their software
- Assessment instruments are a valuable contribution to CS education