



## CRMSE Colloquium Announcement

Alfinio Flores

Professor, *University of Delaware*

### Secondary mathematics teachers under their own STEEM: Learning mathematics with technology

Friday, February 21, 2014

1:00 – 2:00 pm

6475 Alvarado Road, Suite 128

**RSVP:** <http://crmse.wufoo.com/forms/crmse-colloquia/> or email Karen Foehl Palmer at [kfoehl@mail.sdsu.edu](mailto:kfoehl@mail.sdsu.edu)

A course for prospective secondary mathematics teachers that integrates the use of computers, science and mathematics was developed at the University of Delaware. Students in this course were prospective secondary mathematics teachers in their first or second year at the university. Students used software such as GeoGebra, Cabri3D, and *Mathematica*, to model phenomena in the physical, natural and social sciences. They used motion sensors and graphing calculators to study motion, and wrote Python programs to simulate random phenomena. They built a robot, controlled it with a computer program, and made explicit the mathematical and scientific concepts involved in the functioning of the robot. Activities and findings from the course will be presented and possible implications for mathematics teacher preparation programs will be discussed.

