

# *Colloquium*

**Department of Physics**

## **Variations on a Theme: Engaging Students in Introductory Physics**

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### **Abstract**

The “Studio Physics” course model has been the nexus of introductory Physics instruction at Rensselaer Polytechnic Institute for more than 20 years. The goal of the model is to more actively engage students in teaching themselves and one another.

Studio Physics reaches nearly 1000 STEM students at Rensselaer per semester in calculus-based Physics 1 (“Mechanics”) or Physics 2 (“Electromagnetics and Quantum Physics”). The large number of students, the parallel-section nature of the courses, and the consistency of the course material provide a platform for evaluating the efficacy of variations\* on the model. I will discuss our findings and plans for future development.

**Monday, November 9, 2015 at 3:00pm**

**SERC, Room 110B**

**Refreshments served at 2:45pm**