

## COLLOQUIUM

### *Minimal surfaces with an elastic boundary*

Professor Gilbert Weinstein

**Abstract:** I will describe a variational model combining energies in two different dimensions: surface tension, and 1-d elastic energy at the boundary. The model is motivated by findings in molecular dynamics simulations of HDL particle.

Friday, March 6, 2009, 3:00 pm  
Mathematics and Science Center: W303

Refreshments will be served at 2:30PM in the department lounge.

MATHEMATICS AND COMPUTER SCIENCE  
EMORY UNIVERSITY