You are cordially invited to attend the

# Applied Mathematics Seminar
# Monday's, 12:30 pm - 1:30 pm, DON 2159

We start with a Mini Series on Modeling the Retina of the Eye

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## February 3

### How vision works?

**What can be measured? What are the problems? How do we model them? What are our hypotheses?**

Andrea Dziubek, general audience: everyone interested

## February 10

### "From the Clinic to PDE's and Back: Emerging challenges to Cardiovasclar Mathematics"

**Report from the workshop at ICERM/Brown University, Jan 21-24, on trends in modeling, multiscale, image processing, ethical questions and more.**

Andrea Dziubek, general audience with basic science background

### followed by talks on

### Using entropy based methods in clustering, especially segmentation of retinal pictures

### Multiscale hemodynamics modeling and multiscale material modeling of the retina

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Please feel free to contact me at dziubea@sunyit.edu if you have any questions