



# Announcing

**A Mathematics Seminar  
October 22, 2009 at 2:30 pm  
Southern Hall 303**

**at The University of Southern Mississippi**

**Speaker: Patrick Guidotti**

Department of Mathematics  
University of California, Irvine

**Title: Some Nonlinear Diffusions with  
Interesting Dynamics**

**Abstract:**

Nonlinear Diffusions with applications to Image Processing will be presented which exhibit interesting and non-trivial dynamic behavior. After motivating the equations and placing them in a larger context, the talk will focus on analytical results and some illustrative numerical experiments.

**Further Information**

Further details and information about this and other departmental activities is available online at [http://www.math.usm.edu/bulletin\\_board/](http://www.math.usm.edu/bulletin_board/).