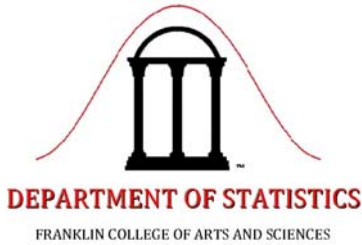


THE UNIVERSITY OF GEORGIA



The University of Georgia
Department of Statistics

Colloquium Series

Ana-Maria Staicu
NC State University
Department of Statistics

“Skewed functional processes and their applications”

We introduce a novel class of models for functional data exhibiting skewness or other shape characteristics that vary with spatial location. Such data are not envisaged by the current approaches to model functional data, due to the lack of Gaussian – like features. Our methodology allows modeling the pointwise quantiles, has interpretability advantages and is computationally feasible.

Our methods were motivated by and are illustrated with a state-of-the-art study of neuronal tracts in multiple sclerosis patients and healthy controls.

For more information,
please contact:
stat@uga.edu

Parking is available in the South
Campus Parking Deck. For a
UGA Campus map, please see:
[http://aviary.camplan.uga.edu/
CampusMap/Default.aspx](http://aviary.camplan.uga.edu/CampusMap/Default.aspx)

Department of Statistics
101 Cedar Street
Athens, GA 30602

Phone: 706-542-5232
Fax: 706-542-3391
www.stat.uga.edu

Thursday, September 15th, 2011

3:30 PM at 306 Statistics Building

Refreshments will be immediately after the talk in The
Cohen Room, room 230, Statistics Building