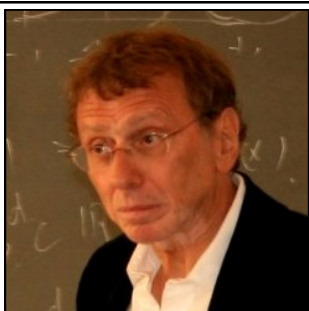


College of Arts and Sciences

Interdisciplinary Mathematics Institute

University of South Carolina

# IMI Seminar Series



## Regularity of Gaussian Processes in a Geometrical Framework

**Dr. Gerard Kerkyacharian**

Laboratoire de Probabilités et Modèles Aléatoires  
Université Paris-Diderot

Recently, T. Coulhon, P. Petrushev and G. Kerkyacharian have proposed to consider a Littlewood-Paley theory in the framework of Dirichlet spaces with a suitable behavior of the associated heat kernel. One can then construct regularity spaces and an associated wavelet theory.

In this talk we will study how this could be used to analyze the regularity of Gaussian processes.

<http://imi.cas.sc.edu/events/493/>

TUESDAY

March

4

3:00 - 4:00 PM

LeConte College

Room 312



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