

College of Arts and Sciences

Interdisciplinary Mathematics Institute

University of South Carolina

# IMI Seminar Series



## **Atomic and molecular decompositions of distributions in the framework of Dirichlet spaces**

**Dr. George Kyriazis**

Department of Mathematics and Statistics,  
University of Cyprus

We construct compactly supported frames for Dirichlet spaces which include Triebel-Lizorkin and Besov spaces in the context of Riemannian manifolds and other nonclassical settings. We then apply our results to the study of atomic and molecular decompositions of the spaces and to the boundedness of almost diagonal operators.

<http://imi.cas.sc.edu/events/492/>

**TUESDAY**

March

**11**

**3:00 - 4:00 PM**

**LeConte College**

**Room 312**



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