

PDE, COMPLEX ANALYSIS AND DIFFERENTIAL GEOMETRY SEMINAR

Guest Speaker: Siqi Fu
Rutgers University at Camden

Date: Tuesday, April 9, 2019

Time: 11:00 AM

Location: 258 Hurley Hall



Lecture Title:
Spectral stability of the complex Laplacian

Abstract

The d-bar-Neumann Laplacian is an elliptic operator with non-coercive boundary conditions. In this talk, we will present recent results on spectral stability of the d-bar-Neumann Laplacian when the underlying domain is perturbed. In particular, we establish spectral stability of the d-bar-Neumann Laplacian on smoothly bounded pseudoconvex domains of finite type. This is a joint work with Weixia Zhu.