



Speaker: Xiaodong Wang
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Wednesday, March 26, 2014
4:00 PM
229 Hayes-Healy Hall

Title: Eigenvalue estimates and rigidity results in CR geometry

Abstract:

The first part of this talk will be a brief introduction to CR geometry with its connection with Riemannian geometry and complex analysis. In the second part I will discuss some sharp eigenvalue estimates for the the sub-Laplacian and the Kohn Laplacian on a closed pseudohermitian manifold. Then I will talk about some Obata-type results in CR geometry which characterize the equality case in those estimates.