



UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

COLLOQUIUM

Dr. Jaya Iyer
(Institute of Mathematical Sciences)

“Algebraic cycles in Algebraic Geometry”

Abstract:

Topological spaces are equipped with a singular (co)homology theory. If the space carries additional structures, for example it is a smooth manifold or a complex manifold, then the cohomology theory is enriched with additional structures. Algebraic varieties are spaces defined by polynomial equations. In this talk, we will discuss ‘algebraic’ cohomology theory for smooth algebraic varieties, and ways to find interesting classes via primary and secondary invariants of vector bundles.

Wednesday, April 4th, 2012

Surge 284

4:10-5:00pm

Tea Time at 3:40pm