Lagrangian submanifolds in symplectic and Kaehler geometry

Abstract:
Lagrangian submanifolds of symplectic manifold arise in numerous contexts in geometry and mathematical physics. In this talk, I will explain what Lagrangian submanifolds are, why they are interesting, and describe some of my recent work studying Lagrangian submanifolds of the moduli space of stable vector bundles over a Riemann surface.