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Wednesday, September 3, 2014  
4:00 PM  
231 Hayes-Healy Hall

**Title:** On the Hartogs phenomenon and global extension of CR functions

**Abstract:**

It is well known that any domain in the complex plane is the domain of definition of a holomorphic function (i.e. given a domain there exists a holomorphic function defined on it, which cannot be extended holomorphically to a larger domain). This is no more the case in several complex variables, a new phenomenon appears, which was discovered by Hartogs in 1905 : any holomorphic function defined outside a compact subset of a domain extends holomorphically to the whole domain. We will discuss this extension phenomenon and present some generalizations in different settings.