TEMPEL UNIVERSITY
Department of Mathematics

Temple-Rutgers Global Analysis Seminar

Rutgers-Camden: Armitage 121
Friday, October 19, 2018, 11:20 a.m.

On the $C^\infty$ regularity of CR mappings of positive codimension

by Nordine Mir
Texas A&M University-Qatar

Abstract: We discuss recent joint results with B. Lamel on the $C^\infty$ regularity of CR maps between smooth CR submanifolds embedded in complex spaces of possibly different dimensions. Applications to the boundary regularity of proper holomorphic maps of positive codimension between domains with smooth boundaries of D'Angelo finite type will be given.