

SEMINAR
CENTER FOR APPLIED MATHEMATICS AND SCIENCE
DEPARTMENT OF MATHEMATICS
UNIVERSITY OF WEST GEORGIA

3:00 PM, FRIDAY, APRIL 14, 2017, BOYD 306

Speaker: **Dr. Toka Diagana, Department of Mathematics, Howard University**

Title: **Existence of Bounded Solutions for Some Nonautonomous Integrodifferential Equations in Banach Spaces**

Abstract: In this talk we discuss the existence of bounded solutions to some non-autonomous integrodifferential equations in Banach spaces. Tools utilized to obtain our existence results include evolution families, real interpolation spaces, and exponential dichotomy techniques etc. To illustrate our main results, the existence of bounded solutions to a parabolic Neumann boundary value problem which arises in population genetics and nerve pulse propagation will be discussed.

All are welcome.