

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

1:00 PM, FRIDAY, OCTOBER 18, 2013, BOYD 306

Speaker: Dr. Van Minh Nguyen
Department of Mathematics and Philosophy
Columbus State University
Columbus, GA

Title: Asymptotic Behavior of Almost Periodic Differential Equations

Abstract: In this talk we propose a new approach to study the asymptotic behavior of almost periodic differential equations via their associated evolution semigroups in minimal function spaces. New spectral conditions for the asymptotic behavior of solutions will be given that generalize well known ones such as the Arendt-Batty-Ljubich-Vu Theorem and Katznelson-Tsafiri Theorem. Our new Perron type conditions are given in terms of the solvability of integral equations.

All are welcome.