Title: Almost Automorphic Solutions of Evolution Equations

Abstract

In this talk I will speak of recent developments on the study of almost automorphic solutions of evolutions equations of the form \( u'(t) = Au(t) + f(t) \), where \( A \) is the generator of a \( C_0 \)-semigroup on a Banach space \( X \), \( f \) is an almost automorphic function taking values on \( X \). The results covered in the talk include a new concept of uniform spectrum of a bounded function and applications in the framework of the method of sums of commuting operators.

All are welcome.