

**APPLIED MATHEMATICS SEMINAR**  
Department of Mathematics  
University of West Georgia  
**4 PM, MONDAY, NOVEMBER 14, 2005, BOYD 330**

Speaker: Dr. Nguyen Van Minh, UWG

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 evolution equations of the form  $u'(t) = Au(t) + f(t)$ , where  $A$  is the generator of a  $C_0$ -semigroup on a Banach space  $\mathbf{X}$ ,  $f$  is an almost automorphic function taking values on  $\mathbf{X}$ . 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.