

1125-VC-2531 **Nar Rawal*** (nar.rawal@hamptonu.edu) and **Tung Nguyen**. *Coexistence and Extinction in Time-Periodic Volterra-Lotka Type Systems with Nonlocal Dispersal*.

We will talk something about coexistence and extinction of time periodic Volterra-Lotka type competing systems with nonlocal dispersal. Such issues have already been studied for time independent systems with nonlocal dispersal and time periodic systems with random dispersal, but have not been studied yet for time periodic systems with nonlocal dispersal. In this talk, the outlines of the proof of the main theorems about relations between the coefficients representing Malthusian growths, self regulations and competitions of the two species will be presented which ensure coexistence and extinction for the time periodic Volterra-Lotka type system with nonlocal dispersal. (Received September 20, 2016)