



NON-LOCAL M-DISSIPATIVE EVOLUTION INCLUSION IN GENERAL BANACH SPACES

Shamas Bilal

Abdus Salam School of Mathematical Sciences

2PM Thursday November 8, 2018

In this talk, we will study a class of multivalued perturbations of m -dissipative evolution inclusions with non-local initial condition in arbitrary Banach spaces. We prove the existence of solutions when the multivalued right hand side is Lipschitz and admits nonempty closed bounded values. We will present a number of illustrative examples.

**National Center for Mathematics &
Abdus Salam School of Mathematical Sciences,
GC University, Lahore**