## 1116-49-2436 Norma Ortiz-Robinson\* (nlortiz@vcu.edu) and Vinicio R Rios

(vrios@demat-fecluz.org). Invariance properties of time delayed differential inclusion systems.

Necessary and sufficient conditions of invariance for dynamical systems described by differential inclusions with time delay will be discussed. In addition, we present properties of new versions of the minimal time function and reachable set under these delayed dynamics. (Received September 22, 2015)