

Title: Finite-time passification criterion for externally disturbed uncertain fractional-order impulsive systems (FOISs) with time-delayed responses.

Abstract: A majority of the studies in the literature concerns asymptotical dynamics i.e., when time tends to infinity. However, in this project we will focus on finite-time dynamics, which is more practical from an application point of view. In addition to FOIS, we will carry out a robust dynamic analysis of impulsive memristive fractional-order neural networks (FONNs) with time delays.