

Title: intermittent Feedback based Event-triggered control of Networked Nonlinear Systems:

Abstract: Event-triggered control has received much attention due to its significant advantages in improving the efficiency of communication resources utilization, reducing energy consumption and easing the computational burden. This report will first introduce several common triggered control design and analysis methods; then introduce the challenges and solution ideas of designing state/output triggered controllers based on Backstepping technique for normal form systems and mismatched uncertain nonlinear systems; and finally discuss possible development trends and new research directions.