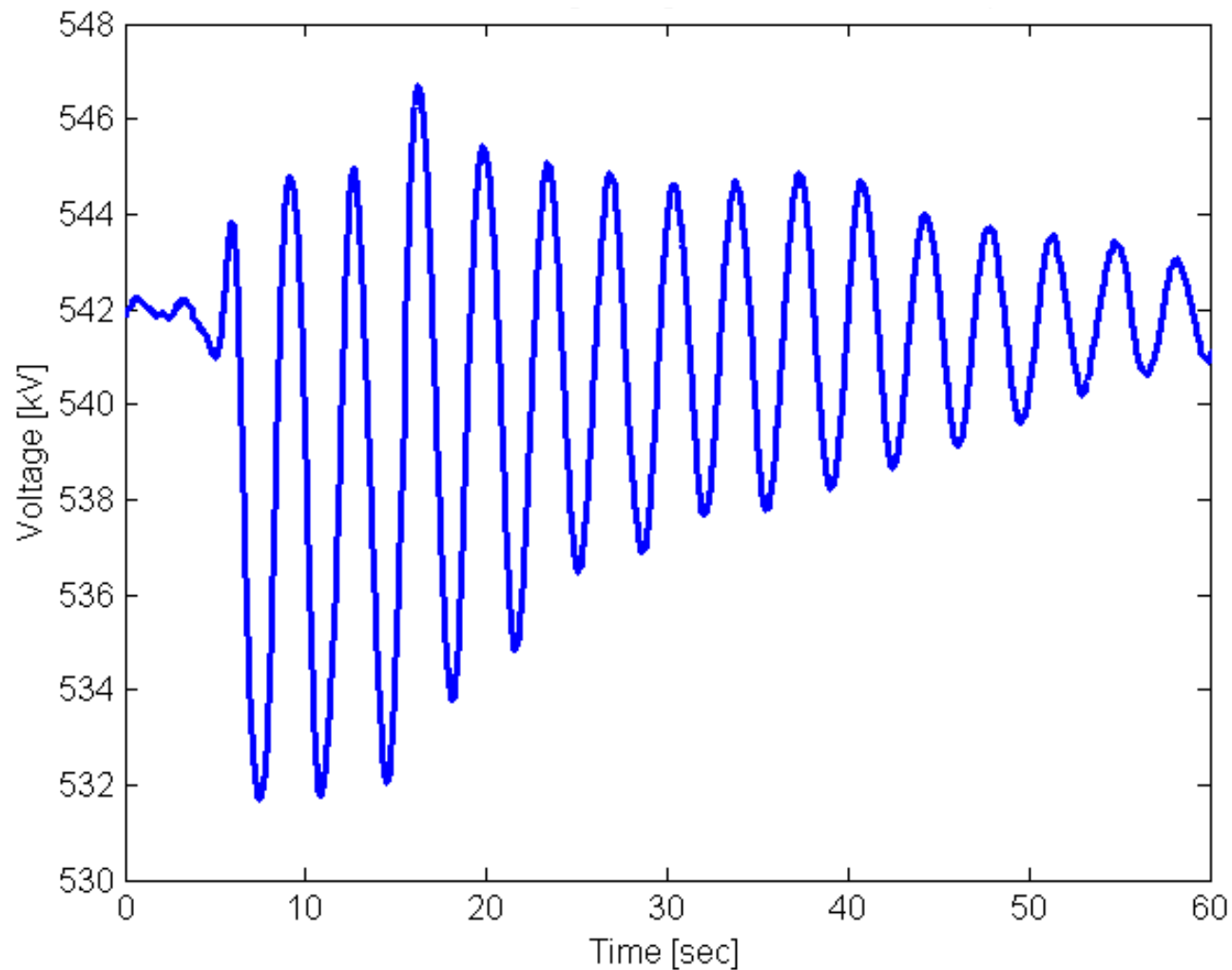


# Oscillation Damping Session

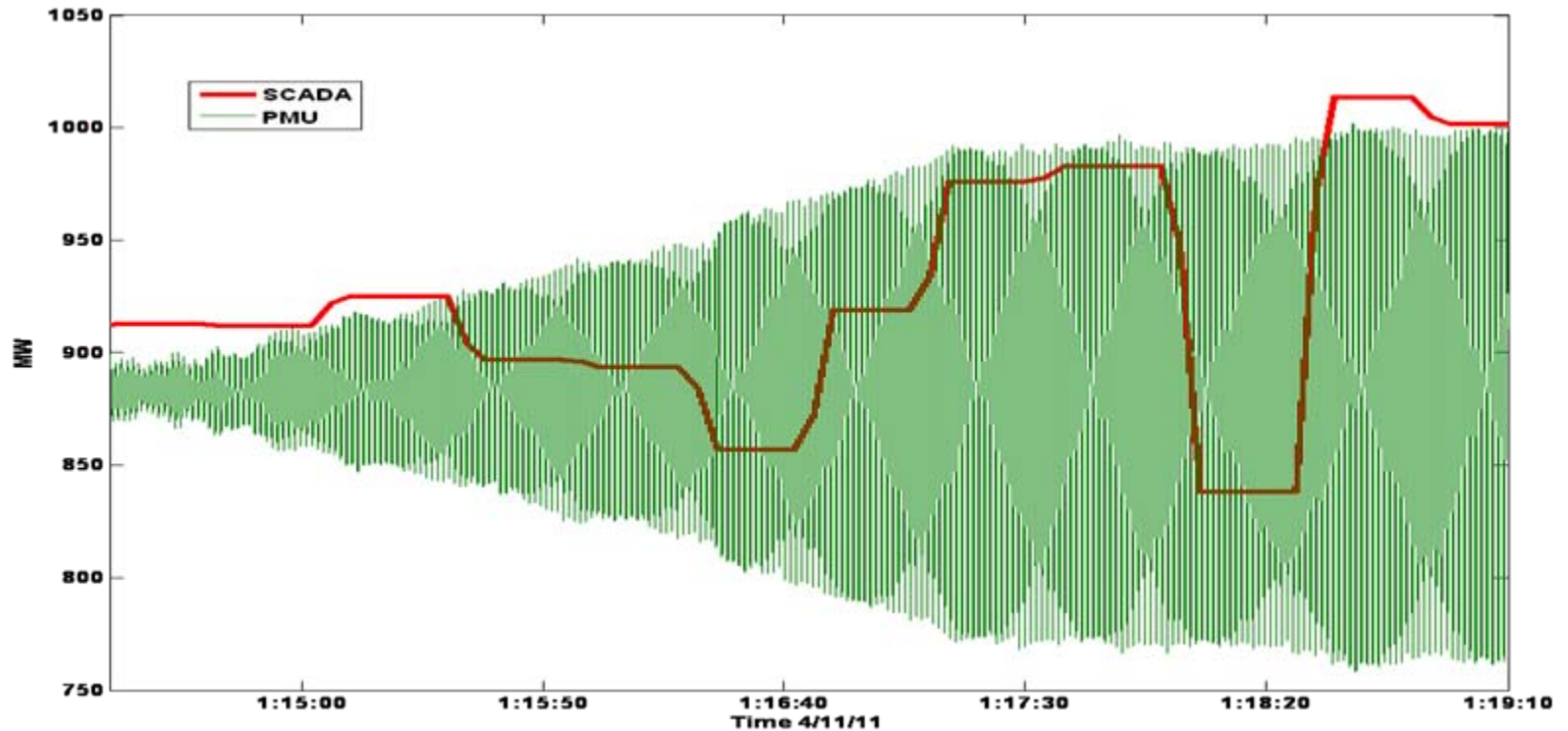
NASPI Meeting

February 2012

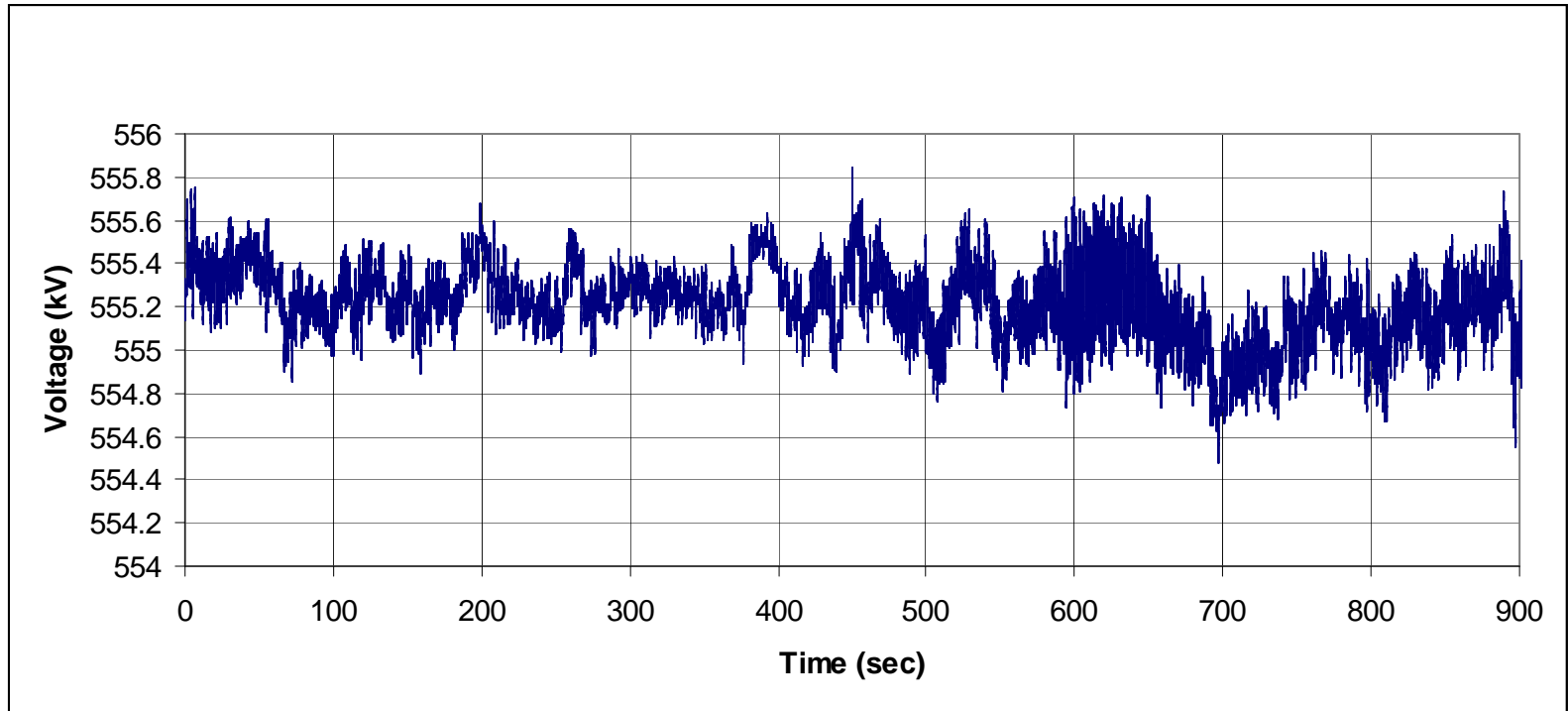
# System Event, Poorly Dampened Oscillation



# Growing Local Oscillation



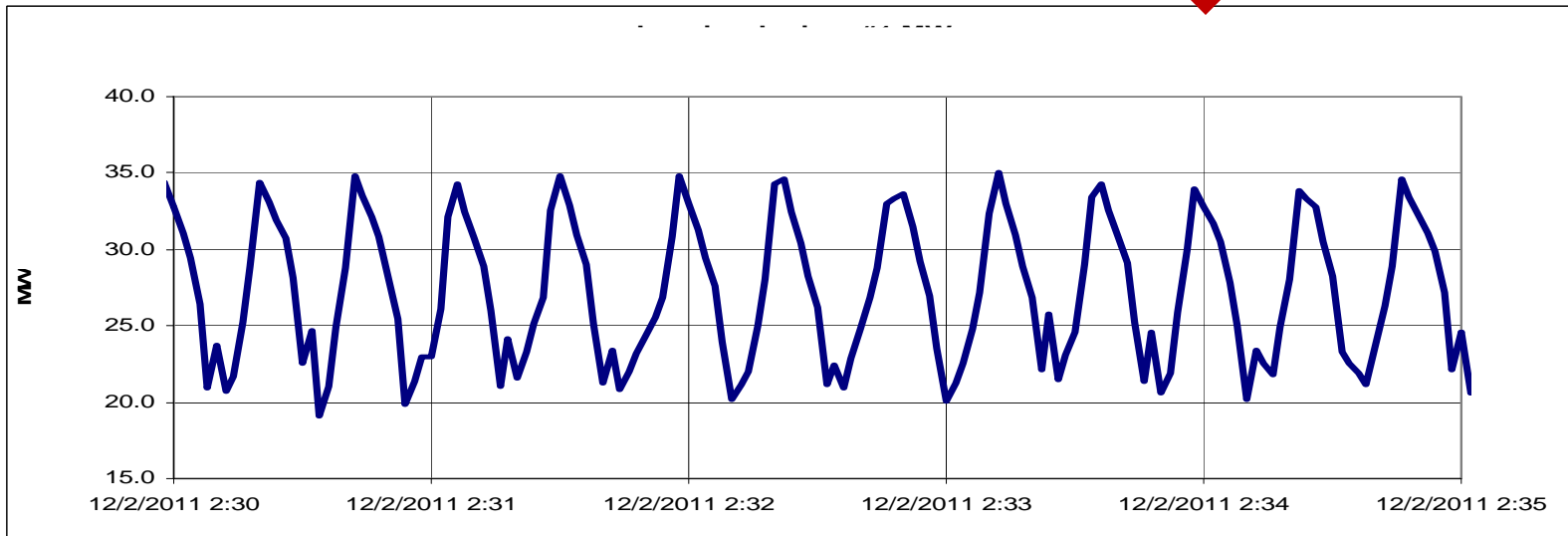
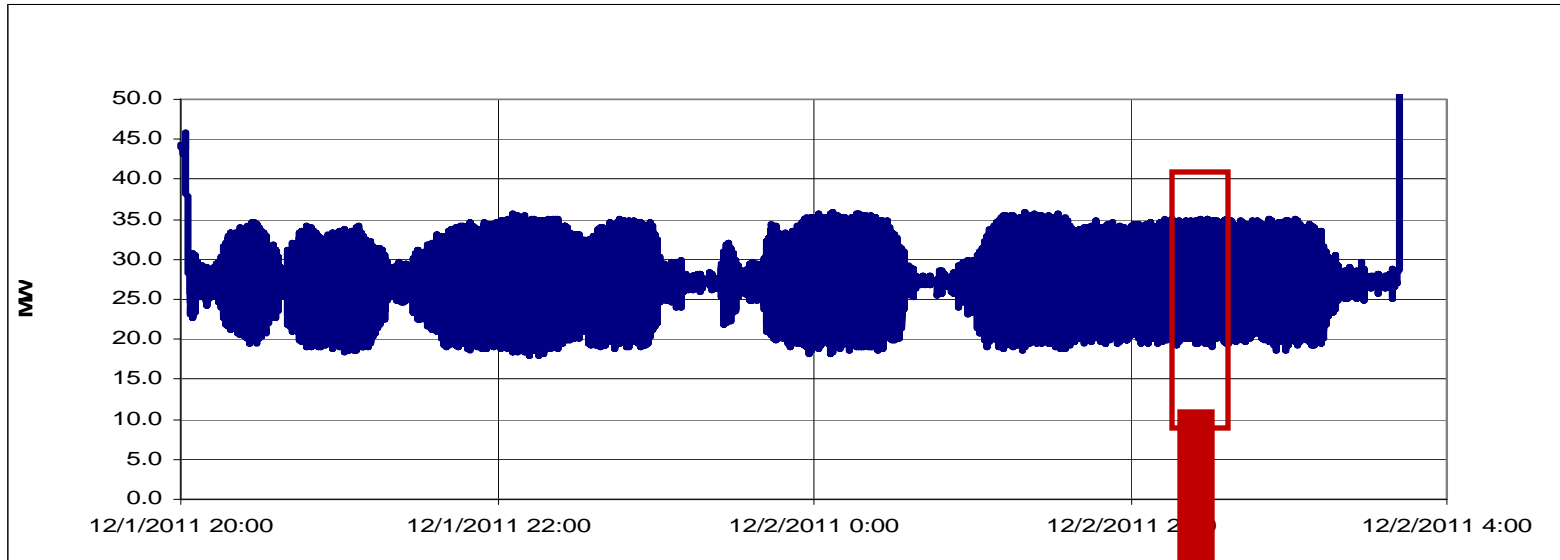
# Low Damping Condition



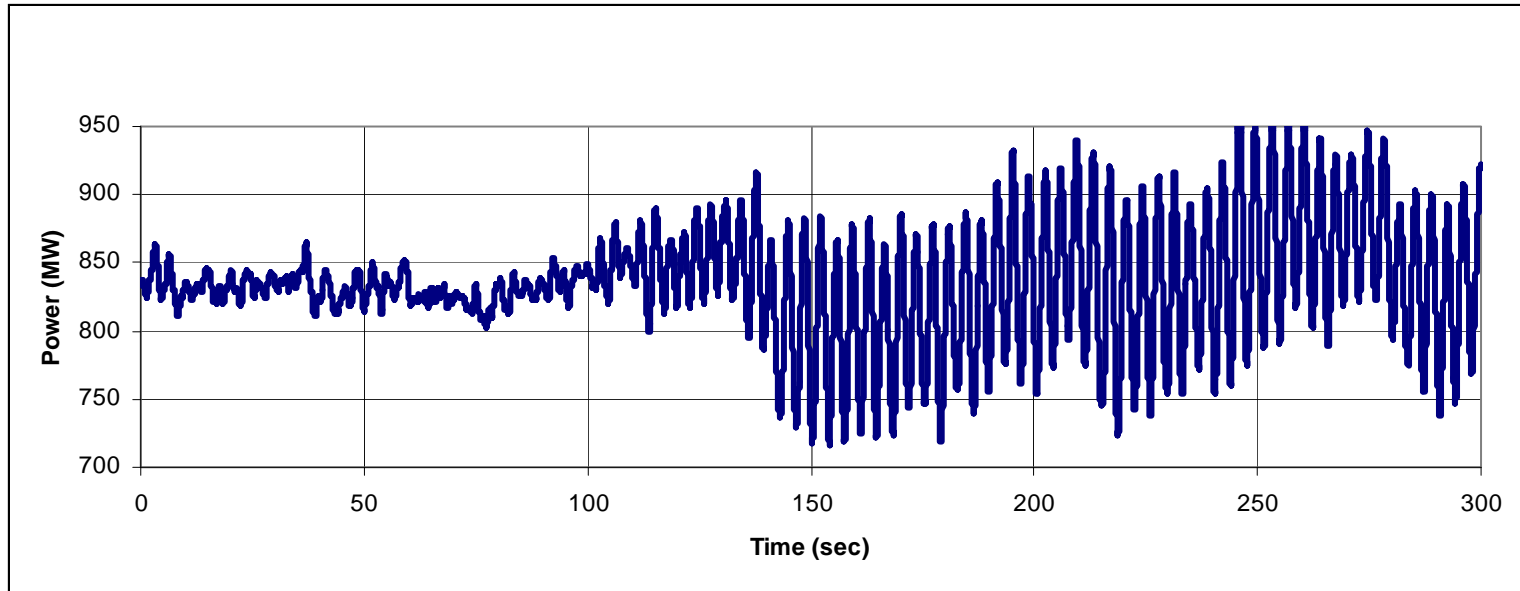
There is no disturbance

But the estimated damping is low, so should a disturbance occur, the system will be unstable

# Controller-Driven Oscillation



# Forced Oscillation



System is not stressed

A bad control valve drives an oscillation at a frequency that resonates with an inter-area oscillation frequency