



Hamilton Institute

Dwell Time Analysis of Deterministic and
Stochastic Switched Systems

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Abstract:

In this talk we collect a number of recent results on stability and L_2 gain of switched linear systems (both deterministic and stochastic) under a dwell time constraint.

The switching signal orchestrates the commutations between linear systems (in the deterministic case) or Markov jump linear systems (in the stochastic case). In the latter case, the switching affects both the dynamics of the underlying systems and the associated transition probability matrices.

Bio:

Professor Colaneri: <http://home.dei.polimi.it/colaneri/indice.htm>

Venue: Seminar Room, Hamilton Institute, Rye Hall,
NUI Maynooth

Time: 11.00am - 12.00noon (followed by tea/coffee)

Travel directions are available at www.hamilton.ie