



Hamilton Institute

My PhD Life in Hamilton

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Abstract:

In this talk, I will summarize the main contribution of my PhD on Wireless Local Area Network (WLAN). The primary focus and the main lesson I learned was on the importance of verifying basic hypotheses in order for deduction to be fundamentally robust. As one of several examples in my thesis, stations in a WLAN can choose one of several rates that are defined by IEEE LAN/MAN Standards Committee to transmit on. The working assumption in adaptive rate control algorithm is that packet-loss-rate is a monotonic increasing function of transmission rate. Both experimentally and theoretically, we proved this is not the case and explain its negative consequence.

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

Time: 2.00pm - 3.00pm

Travel directions are available at www.hamilton.ie