



Hamilton Institute

Improving our Evaluation of Transport Protocols

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Abstract

The network research community has been designing and evaluating transport protocols for several decades now, but we don't have much of a consensus on how we should rigorously compare and evaluate transport protocols, or even on what metrics we want the transport protocols to achieve.

This talk is about the task of improving our evaluation of transport protocols: developing some consensus about the questions that need to be asked, the metrics that we use to evaluate transport protocols, and the scenarios that we explore in simulations and experiments.

As examples, we will discuss the evaluation of HighSpeed TCP and other transport protocols for high delay-bandwidth paths; of Quick-Start for faster start-up, and of DCCP (a transport protocol for unreliable transfer for applications such as streaming media).

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

Time: 1.00 - 2.00pm (followed by tea/coffee)

Travel directions are available at www.hamilton.ie