COMPUTATIONAL RESEARCH in BOSTON and BEYOND SEMINAR

New Phenomena in Large-Scale Internet Traffic

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ABSTRACT:

The Internet is transforming our society, necessitating a quantitative understanding of Internet traffic. Our team collects and curates the largest publicly available Internet traffic data containing 50 billion packets. Analysis of this streaming data using 10,000 processors in the MIT SuperCloud reveals a variety of new phenomena. New models of the traffic are developed that show remarkable consistency across a wide range source/destination statistics over collections that span years and continents. The measured model parameters distinguish different network streams and strongly correlate with different underlying topologies.

FRIDAY, FEBRUARY 8, 2019
12:00 PM – 1:00 PM
Building 32, Room 141
STATA

Pizza and beverages will be provided.

http://math.mit.edu/crib/

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