

**NEW YORK NUMBER THEORY SEMINAR
CUNY GRADUATE CENTER, ROOM 4419
THURSDAYS AT 2:45 P.M.
FALL, 2019**

Date: Thursday, October 3, 2019
Speaker: Louis-Pierre Arguin, Baruch College & CUNY Graduate Center
Title: Large values of the Riemann zeta function in short intervals
Abstract: In a seminal paper in 2012, Fyodorov and Keating proposed a series of conjectures describing the statistics of large values of the zeta function in short intervals of the critical line. In particular, they relate these statistics to the statistics of log-correlated Gaussian fields. In this lecture, I shall present recent results that answer many aspects of these conjectures. Connections to problems in number theory will also be discussed. This is based on joint work with Belius, Bourgade, Radziwiłł, Soundararajan, and Ouimet and Radziwiłł.