

# NUMBER THEORY SEMINAR

## *Multiplicative Functions Over Function Fields*

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WHEN: Wed 13 Apr. 2016, 1:30 p.m.

WHERE: Chase 319

ABSTRACT:

Understanding mean values of multiplicative functions over a number field plays a key role in analytic number theory. Motivated by recent work of Granville, Harper and Soundararajan we discuss the mean values of multiplicative functions over a function field. In particular, we prove function field analogs of several classical results of Wirsing, Halasz and Hall. If time permits, we will also discuss spectrum and correlations of multiplicative functions over function fields.

Any questions, please e-mail: [rnoble@mathstat.dal.ca](mailto:rnoble@mathstat.dal.ca).