Online talk series

It is a pleasure to announce a guest lecture with the title

Multidimensional continued fraction algorithms, Rauzy fractals, and zero measure spectrum for multi-frequency Schrödinger operators

(Joint work with Jon Chaika, Jake Fillman, Philipp Gohlke)

SPEAKER: **David Damanik**
TIME: Thursday, 05.11.2020, 4:00 – 5:00 pm.

Abstract: Building on works of Berthé-Steiner-Thuswaldner and Fogg-Nous we show that on the two-dimensional torus, Lebesgue almost every translation admits a natural coding such that the associated subshift satisfies the Boshernitzan criterion. As a consequence we show that for these torus translations, every quasi-periodic potential can be approximated uniformly by one for which the associated Schrödinger operator has Cantor spectrum of zero Lebesgue measure.

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