

# NYC Dynamics Seminar at Yeshiva University

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**Boris Hasselblatt** (Tufts University)

*will speak on*

**Godbillon-Vey classes for isotropic foliations and rigidity.**

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**Wednesday, March 2nd, 5pm**

Lectures will last 1 hour and be followed by 30 minutes for further lecture and/or discussion.

**Yeshiva University, 215 Lexington Ave, Room 506**

On the SW corner of Lexington Ave and 33rd Street. You will need to sign in.

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*Abstract:*

For a contact manifold  $(M^{2m+1}, A)$  and an  $m+1$ -dimensional  $dA$ -isotropic  $C^2$  foliation, we define *Godbillon-Vey invariants*  $\{GV_i\}_{i=0}^{m+1}$  inspired by the Godbillon-Vey invariant of a codimension-one foliation, and we demonstrate the potential of this family as a tool in geometric rigidity theory. One ingredient for the latter is the Mitsumatsu formula for geodesic flows on (Finsler) surfaces.

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Seminar website: <http://nycdynamics.s3-website-us-east-1.amazonaws.com/>