

# NYC Dynamics Seminar at CUNY & Yeshiva University

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**Yunping Jiang** (The City University of New York)

*will speak on*

**Oscillating Property, MMA and MMLS Flows**

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**Wednesday, February 8th, 5:00pm**

Lectures will last 1 hour and be followed by questions and/or discussion.

**CUNY Graduate Center, 365 5th Ave, The Science Center**

The Science Center is on the 4th floor. You will need to sign in.

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*Abstract:*

Recently, Sarnak's conjecture attracts many people who work in number theory and dynamical systems. In this talk, I will talk about my recent work with Fan on oscillating sequences and MMA and MMLS flows in the frame of this conjecture. This work confirms Sarnak's conjecture for a large class of zero entropy flows. Furthermore, I will talk about my work on higher order oscillating sequences and affine distal flows on the  $d$ -torus. A consequence of this is that Sarnak's conjecture is held for all zero entropy affine flows on the 2-torus and all affine distal flows on the  $d$ -torus for all  $d > 2$ . It is known that the Möbius function is an example of a higher order oscillating sequence. I will also talk about my recent work with Akiyama on the discovery of a different kind of a higher order oscillating sequence.

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Seminar website: <http://nycdynamics.org/>