



Brown / BU / UMass Dynamics & PDE Seminar

Fall 2021 Host: University of Massachusetts, Amherst

Friday, November 5, 2021

The Division of Applied Mathematics at Brown University, the Department of Mathematics and Statistics at Boston University, and the Department of Mathematics and Statistics at the University of Massachusetts Amherst hold joint seminar events on topics related to PDEs and dynamical systems, broadly construed. For more information, visit our website or contact the organizers:

Cole Graham (cole_graham@brown.edu), Jonathan Jaquette (jaquette@bu.edu)
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Location and parking information

Seminar:

LGRT - Room 1634

Department of Mathematics

University of Massachusetts

Amherst

Parking info: Contact Mithun if you need to arrange parking nearby.

Program

- 1:30 – 1:55 **Lidia Mrad** (Mount Holyoke College)
Order Reconstruction of Nematic Liquid Crystals in Microfluidic Channels
- 2:00 – 2:25 **Ying Zhang** (Brandeis University)
The influence of the Endothelial surface layer on the motion of Red Blood Cells
- 2:30 – 2:55 **Panagiota Birmpa** (UMass, Amherst)
On non-equilibrium fluctuations for the stirring process with births and deaths
- 3:30 – 4:20 KEYNOTE: **Chad Topaz** (Williams College)
Mathematical and Computational Approaches to Social Justice
- 4:35 – 4:50 **Alexander Moll** (UMass, Boston)
Quantization of Benjamin-Ono periodic traveling waves
- 4.55 – 5:20 **Moyi Tian** (Brown University)
Localized Patterns on Ring Lattices