



Brown / BU / UMass Dynamics & PDE Seminar

Fall 2018 Host: University of Massachusetts Amherst

Friday, November 16, 2018

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:

<http://www.brown.edu/campus-life/events/joint-dynamics-seminar/>

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Location and parking information

Lederle Graduate Research Tower
Department of Mathematics and Statistics
University of Massachusetts Amherst
Amherst, MA 01003

This event will be taking place in Room 1634. Please contact Stathis if you need to arrange parking nearby.

Program

- 2:00 – 3:00 KEYNOTE: **Yannis G. Kevrekidis** (Johns Hopkins University)
No equations, no variables, no parameters, no space, no time: Data and the modeling of complex systems
- 3:20 – 3:50 **Mareike Haberichter** (University of Massachusetts Amherst)
Solitons in ring-shaped Bose-Einstein Condensates
- 3:55 – 4:25 **Rebecca Santorella** (Brown University)
Using diffusion maps in equation-free modeling
- 4:30 – 5:00 **Pearson Miller** (Massachusetts Institute of Technology)
Waves and gradients on chemically-driven active surfaces
- 5:20 – 5:50 **Cory Ward** (University of Massachusetts Amherst)
Some asymptotic solutions of the Camassa-Holm nonlinear Schrödinger equation
- 5:55 – 6:25 **Anthea Cheung** (Boston University)
Spatio-temporal patterns in the wake of traveling solutions to the Morris-Lecar neuron model
- 6:30 – Pizza