

Brown / Boston University Dynamics & PDE Seminar

Spring 2018 Host: Brown University

Thursday, April 19, 2018

The Division of Applied Mathematics at Brown University and the Department of Mathematics and Statistics at Boston University 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/>
Jason Bramburger (jason_bramburger@brown.edu) & Ryan Goh (rgoh@bu.edu)

Location and parking information

170 Hope Street Room 108
Division of Applied Mathematics
Brown University
Providence, RI 02912

170 Hope Street is the new building to the immediate east of the Applied Mathematics “castle,” 182 George Street, with which you might be familiar. Contact Jason if you need to arrange parking nearby.

Program

- 2:00 – 2:20 **Yernat Assylbekov** (Northeastern University)
The attenuated geodesic ray transform
- 2:25 – 2:45 **Allen Wu** (Brown University)
Steady-states of rotating stars and galaxies
- 2:55 – 3:10 **Jingwei Ma** (Boston University)
Geometry effects on cellular signal propagation
- 3:30 – 4:30 KEYNOTE: **Jörn Dunkel** (Massachusetts Institute of Technology)
Spontaneous chiral symmetry breaking in active fluids
- 5:00 – 5:20 **Efstathios G. Charalampidis** (University of Massachusetts Amherst)
Formation of rogue waves in continuum and discrete models: theory and computation
- 5:25 – 5:45 **Ang Li** (Brown University)
Linear stability of planar spiral waves
- 5:55 – 6:10 **Pedro J. Saenz** (Massachusetts Institute of Technology)
Spin lattices of macroscopic wave-driven particles
- 6:10 – Pizza

