

# Houston Summer School on Dynamical Systems

Houston, Texas  
May 16-24, 2018

For the sixth consecutive year, the Department of Mathematics at the University of Houston will host a **Summer School on Dynamical Systems**.

The school will run from May 16-24, 2018 and will introduce graduate students to some of the fundamental concepts of dynamical systems and applications through short lecture courses, tutorial and discussion sessions, and student projects. A limited number of participant spots are reserved for advanced undergraduate students, who will start preparatory sessions on May 14th.

#### Lecturers:

Joanna Furno, Alan Haynes (*University of Houston*)  
Matthew Nicol, Will Ott, Andrew Török (*University of Houston*)  
David Damanik (*Rice University*)  
Vaughn Climenhaga (*University of Houston*)  
Anna Vershynina (*University of Houston*)  
Seonhee Lim (*Seoul National University*)

#### Additional information and application instructions:

<https://www.math.uh.edu/dynamics/school/school2018>

**Application deadline: February 28, 2018**

#### Short Course topics include:

- \* Basics of Ergodic Theory
- \* Statistical Properties in Hyperbolic Dynamics
- \* Dynamical Approaches to the Spectral Theory of Operators
- \* Statistical Mechanics and Thermodynamic Formalism
- \* Dynamics of Quantum Spin Systems
- \* Dynamics on Homogeneous Spaces, with Applications to Number Theory

