Peter Hilton Memorial Lecture - 2016

Speaker: Amie Wilkinson, University of Chicago

Title: Geometry, Lyapunov exponents and rigidity

Time: Thursday April 28, 2016, 3:00 p.m.
Location: Binghamton University, Fine Arts Building, Room 258

The lecture will be followed by a reception at 4.30 p.m. in The President's Reception Room, Anderson Performing Arts Center, Binghamton University. This reception is for the whole Binghamton Mathematics Community as well as for our visitors.

Flyer for the lecture

Abstract:

To each complete Riemannian manifold M is associated a dynamical system – the geodesic flow on the unit tangent bundle SM. To what extent are the dynamical properties of this flow wedded to the geometry of M? I will discuss some historical highlights, open questions and recent breakthroughs.