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Kening Lu* (klu@math.byu.edu), Department of Mathematics, Brigham Young University, Provo, UT 84602, **Qiudong Wang**, Department of Mathematics, University of Arizona, Tucson, AZ 85721, and **Lai-Sang Young**, Department of Mathematics, New York University, New York, NY 10276. *Strange Attractors for PDE's*.

I will report some recent results on the effect of periodic forcing on the dynamics of evolutionary PDE's undergoing Hopf bifurcations. We prove the existence of a strange attractor which contains a horseshoe, has positive Lyapunov exponents almost everywhere, and exhibits certain statistical behavior. (Received September 19, 2007)