Speaker: **Jiang, Boju**
Title: *3-Manifolds that admit knotted solenoids as attractors*
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Abstract: Motivated by Smale's work in dynamics, the following questions are studied and answered:
(1) Which 3-manifolds admit an automorphism whose non-wandering set consists of Smale solenoids?
(2) Which 3-manifolds admit an automorphism having a knotted Smale solenoid as attractor? As a consequence of (2), every solenoind that appears as an attractor of a homeomorphism of R^3 is UNknotted.