Title: Sinai factors in nonsingular ergodic theory

Abstract: We will discuss a recent joint work with Terry Soo where we establish factor results for systems which are not measure preserving. We show:

(a) Totally dissipative systems have all nonsingular dynamical systems as factors;

(b) C2 Anosov systems, even ones which are not measure preserving al- ways have (stationary) Bernoulli shift factors and the bound of the maximal entropy finitary (a.e. continuous) factor is dramatically different.

(c) An extension of the finitary factor results of Keane and Smorodinsky to the broad class of nonsingular Bernoulli shifts.