

ANALYSIS AND DIFFERENTIAL GEOMETRY
SEMINAR

*Geometrization of sub-hyperbolic semi-rational branched
coverings*

Professor Tao Cheng
East China Normal University

Abstract: Given a sub-hyperbolic semi-rational branched covering of the sphere, which is not CLH-equivalent to a rational map, it must have the non-empty canonical Thurston obstruction. By using this canonical Thurston obstruction, we will discuss how to decompose such a dynamical system into several sub-dynamical systems. Then we will show that each of these sub-dynamical systems is either a post-critically finite type branched covering or a sub-hyperbolic semi-rational type branched covering.

Tuesday, April 24, 2012, 4:00 pm
Mathematics and Science Center: W301

MATHEMATICS AND COMPUTER SCIENCE
EMORY UNIVERSITY