Yeong Chyuan Chung

Texas A&M University

Quantitative K-theory for SQ_p-algebras

Abstract

Quantitative (or controlled) K-theory for C^*-algebras was introduced by Guoliang Yu in his work on the Novikov conjecture for groups with finite asymptotic dimension, and was later expanded into a general theory, with further applications, by Yu together with HervÃĺ Oyono-Oyono. Motivated by investigations of the L_p Baum-Connes conjecture, we will describe an analogous framework of quantitative K-theory that applies to algebras of bounded linear operators on subquotients of L_p spaces.

Talk time: 07/22/2016 4:00PM— 07/22/2016 4:20PM
Talk location: Cupples I Room 115

Special Session: Non-commutative geometry. Organized by X. Tang.