

Stratified surgery and the signature operator.

jeudi 1 juin 2017 08:50 (45 minutes)

In this talk I will explain how a microlocal approach to elliptic theory on (the regular part of) a Witt or, more generally, a Cheeger space allows to extend the mapping-surgery-to-analysis philosophy to these classes of stratified spaces.

In particular, I will report on some recent work with Pierre Albin where, building on the analytic theory developed by Albin, Leichtnam, Mazzeo and myself, we map the Browder-Quinn surgery sequence for Witt or Cheeger stratified spaces to suitable K-theory sequences.

Orateur: M. PIAZZA, Paolo