ZURICH GRADUATE COLLOQUIUM

Tuesdays, 5:15 pm
Hermann Weyl Zimmer, ETH Zentrum
in alternation with the
Zurich Colloquium in Mathematics

Speaker: **Srdjan (Johnny) Micic**
Title: **K-Theory: Karoubi Conjecture**
Date: Tuesday, April 19th

For a (complex) Banach algebra, we shall define two kinds of K-theory: topological K-theory, which satisfies Bott periodicity, i.e. $K_n^{top} \cong K_{n+2}^{top}$, and algebraic K-theory, which usually does not. There is a comparison map from algebraic to topological K-theory. It was a conjecture in the early 80's, that the comparison map is an isomorphism for stable Banach algebras. We will try to sketch a proof of that conjecture for the negative K-groups. The talk will be reasonably self-contained.

http://www.math.ethz.ch/graduate/colloquium
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