

**FROM TOPOLOGICAL K-THEORY TO K-THEORY OF  
 $C^*$ -ALGEBRAS**

**Stefan Jackowski**

University of Warsaw

I shall present an overview of topological motivation of basic notions in K-theory of  $C^*$ -algebras based on two theorems:

- Gelfand's theorem on equivalence of categories of locally compact spaces and commutative  $C^*$ -algebras;
- Serre-Swan theorem on equivalence of categories of vector bundles and finitely generated projective modules over the ring of continuous functions.

The talk will be addressed to those who came to K-theory of  $C^*$ -algebras from analytic rather than topological background.