Class groups and K-theory

Abstract:

Class groups of cyclotomic fields play an important role in various attempts to prove Fermat's Great Theorem. In 70-s studying K-groups of the certain commutative rings, Kervaire and Murthy made important conjectures about relations between those K-groups and the class groups. In my talk I will explain how the Kervaire- Murthy conjectures lead to a complete description of the class groups as abelian groups.

Prof. Dr. Alexander Stolin
(Chalmers Tekniska Högskola und Göteborgs universitet)