Speaker: Ilya Smirnov, Basque Centre for Applied Mathematics, Bilbao, Spain

Title: Singularity invariants in positive characteristic.

Abstract: F-signature and Hilbert-Kunz multiplicity are two of the most studied numerical invariants of singularities in positive characteristic. The goal of this class is to establish various algebraic and geometric properties of them and highlight the role of uniform convergence methods in the theory.