Workshop in algebraic $K$-theory and motivic cohomology.

This workshop will be devoted to recent developments in algebraic $K$-theory, algebraic cycles and motives. The main topics to be discussed are:

- Completed $K$-theory for schemes over a DVR
- Non-$\mathbb{A}^1$-homotopy invariant aspects of $K$-theory, reciprocity functors and Chow groups with modulus.
- Pro-cdh descent for $K$-theory and cyclic homology with applications to the $K$-theory of singular scheme.
- Application of unstable $\mathbb{A}^1$-homotopy theory to classical stability questions.
- Applications of the Grothendieck formalism in categories of triangulated mixed motives to geometric representation theory and generalizations of motivic polylogarithms.
- Geometric applications of the theory of non-commutative motives.
- Analytic constructions in $K$-theory and motivic cohomology, such as differential $K$-theory, Arakelov motivic cohomology and Deligne-$K$-theory.
- Motivic versions of perverse sheaves and intersection cohomology.