Seminar/Talk

K-theory and motivic cohomology of singularities

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The cdh topology, introduced by Suslin and Voevodsky in the 90's, is a Grothendieck topology on schemes, finite type over an arbitrary field k. Assuming resolution of singularities on k, every such scheme is "locally smooth." I will report on joint with Tom Bachmann and Matthew Morrow on how to make efficient use of the cdh topology, without assuming resolution of singularities, to analyze algebraic K-theory and algebraic cycles of non-smooth schemes (even in mixed characteristic situations). No knowledge of (higher) K-theory and motivic cohomology will be assumed.

Thursday, February 24, 2022 01:00pm - 03:00pm
Heinzel Seminar Room (I21.EG.101), Office Building West

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.