Johannes Kepler Research Center Regensburg

a Workshop of the DFG Research Group 570 "Algebraic Cycles and L-Functions" Regensburg/Leipzig

"Algebraic cycles, motives and $\mathbb{A}^1$-homotopy theory over general bases"

Regensburg, February 13–16, 2007

Organizers: Jens Hornbostel (Regensburg), Alexander Schmidt (Regensburg)

Schedule

	Tuesday	**Wednesday**	**Thursday**	**Friday**
10:00-11:00 Room: M 104	Shuji Saito (Tokio) *The Chow group of zero cycles over a p-adic field with infinite torsion subgroup*	Marc Levine (Boston) *Additive Chow groups for schemes and motives*	Marco Schlichting (Baton Rouge) *Hermitian K-theory and $\mathbf{A}^1$-homotopy theory*	Kirill Zainoulline (München) *The motivic splitting lemma*
11:00-11:30	Coffee break (Room: M 103)			
11:30-12:30 Room: M 104	Thomas Geisser (Los Angeles) *Higher Chow groups over Dedekind rings (a survey)*	Joseph Ayoub (Paris/Princeton) *Perverse homotopy t-structures and Rost modules*	Matthias Wendt (Leipzig) *Fibrations and homotopy principles in $\mathbf{A}^1$-homotopy theory*	Uwe Jannsen (Regensburg) *Finiteness of motivic cohomology and resolution of singularities*
12:30-14:30	Lunch time			
14:30-15:30 Room: M 104	Frédéric Déglise (Paris Nord) *Motivic cohomology over the ring of integers*	Florian Ivorra (Duisburg-Essen) *l-adic realization of triangulated motives over a noetherian separated scheme*	José Malagón López (Boston) *Adams operations on algebraic cobordism*	Annette Huber (Leipzig) *A p-adic Borel regulator*
15:30-16:00	Coffee break (Room: M 103)			
16:00-17:00 Room: M 104	Denis-Charles Cisinski (Paris Nord) *Comparing mixed Weil cohomology theories using the homotopy theory of schemes*	Alexander Schmidt (Regensburg) *On the $K(\pi, 1)$-property for rings of integers*	Shouxin Dai (Boston) *Algebraic cobordism and K-theory over singular schemes*	Bruno Kahn (Paris/Jussieu) *Indecomposable (2,1)-cycles and the Brauer group*

Workshop dinner: Thursday, February 15, 19:00