

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

Workshop dinner: Thursday, February 15, 19:00