

Workshop on Derived Categories

Programme

Monday, November 5	
9:30 - 10:00	Registration
10:00 - 10:15	Opening session
10:15 - 11:15	<i>Basic results on Grothendieck duality for quasi-compact quasi-separated schemes</i> Joseph Lipman, Purdue University
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Deformations of derived categories</i> Wendy Lowen, Vrije Universiteit Brussel
13:00 - 15:00	Lunch break
15:00 - 16:00	<i>t-structures on the derived categories of a commutative Noetherian ring</i> Manuel Saorín, Universidad de Murcia
16:30 - 17:30	<i>Perverse coherent sheaves and rigid dualizing complexes on schemes</i> Amnon Yekutieli, Ben Gurion University of The Negev

Tuesday, November 6	
10:15 - 11:15	<i>Local cohomology and support in triangulated categories</i> Srikanth Iyengar, University of Nebraska
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>An algebraic model for modules over cochains on the classifying space of a finite group</i> Henning Krause, Universität Paderborn
13:00 - 15:00	Lunch break
15:00 - 16:00	PROBLEM SESSION
16:30 - 17:30	PROBLEM SESSION

Wednesday, November 7	
10:15 - 11:15	<i>Derived categories of Calabi–Yau manifolds</i> Cristina Martínez, Max-Planck-Institut für Mathematik
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Fourier–Mukai for singular varieties and singular Mukai partners</i> Fernando Sancho de Salas, Universidad de Salamanca
13:00- 15:00	Lunch break
15:00 - 16:00	<i>Countability of derived equivalence classes</i> Mathieu Anel, Centre de Recerca Matemàtica
16:30 - 17:30	<i>The mock homotopy category of projectives and Grothendieck duality</i> Daniel Murfet, Australian National University

Thursday, November 8	
10:15 - 11:15	<i>Basis of the derived category of toric varieties</i> Rosa M. Miró-Roig, Universitat de Barcelona
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Algebraic K-theory via universal invariants (after Gonçalo Tabuada)</i> Bernhard Keller, Université Paris 7
13:00 - 15:00	Lunch break
15:00 - 16:00	<i>Derived Hall algebras</i> Andrew Hubery, Universität Paderborn
16:30 - 17:30	<i>Algebraic bivariant K-theory</i> Guillermo Cortiñas, Universidad de Valladolid

	Friday, November 9
10:15 - 11:15	<i>Vanishing of cohomology over AC rings</i> Henrik Holm, Københavns Universitet
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Quotients of cluster categories</i> Peter Jørgensen, Newcastle University
13:00 - 15:00	Lunch break
15:00 - 16:00	<i>Auslander–Reiten theory for simply connected differential graded algebras</i> Karsten Schmidt, Universität Paderborn
16:30 - 17:30	<i>Recollements and homological epimorphisms</i> Pedro Nicolás, Universidad de Murcia
	Cultural Activity and Dinner

	Saturday, November 10 (at Universitat de Barcelona)
10:15 - 11:15	<i>Examples of model approximations</i> Wojciech Chachólski, Institutionen för Matematik, KTH
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Cartan–Eilenberg categories</i> Pere Pascual, Universitat Politècnica de Catalunya
13:00 - 15:00	Lunch break
15:00 - 16:00	<i>On Massey products and triangulated categories</i> Fernando Muro, Universitat de Barcelona
16:30 - 17:30	<i>Second Hochschild cohomology and triangulated categories</i> Teimuraz Pirashvili, University of Leicester

Monday, November 12	
10:15 - 11:15	<i>Structure of resolutions for DG modules</i> Luchezar Avramov, University of Nebraska
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Non-commutative resolutions of determinantal varieties</i> Michel Van den Bergh, Universiteit Hasselt
13:00 - 15:00	Lunch break
15:00 - 16:00	<i>Complete invariants of t-structures</i> Donald Stanley, University of Regina
16:30 - 17:30	<i>Unstable cellular properties of chain complexes</i> Jonas Kiessling, Institutionen för Matematik, KTH

Tuesday, November 13	
10:15 - 11:15	<i>Tensor product of coherent functors</i> Vincent Franjou, Université de Nantes
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Grassmannian functors, homological properties of generic representations and Krull filtration</i> Aurélien Djament, Université Paris 13
13:00 - 15:00	Lunch break
15:00 - 16:00	PROBLEM SESSION
16:30 - 17:30	PROBLEM SESSION

Wednesday, November 14	
10:15 - 11:15	<i>Mixed Weil cohomologies</i> Denis-Charles Cisinski, Université Paris 13
11:15 - 11:45	Coffee break
11:45 - 12:45	<i>Axiomatic stable homotopy on the derived category of a nonaffine scheme</i> Leovigildo Alonso, Universidade de Santiago de Compostela
13:00 - 15:00	Lunch break
15:00 - 16:00	PROBLEM SESSION
16:30 - 17:30	PROBLEM SESSION