

Advances in Representation Theory of Algebras: Geometry and Homology

1 Monday, 4th of September (morning)

- **9h00-9h45** - Andrea SOLOTAR (Univerdad de Buenos Aires)
Some invariants of the super Jordan plane
- **9h50-10h20** - Andrzej MRÓZ (Nicolaus Copernicus University)
Coxeter energy of graphs and algebras
- **10h20-10h40** - Shijie ZHU (Northeastern University)
Dominant dimension and tilting modules
- **11h15-12h00** - Raymundo BAUTISTA (Universidad Nacional Autonoma de Mexico)
Tame-wild dichotomy for the category of filtered by standard modules for a quasi-hereditary algebra

2 Monday, 4th of September (afternoon)

- **16h00-16h30** - Pierre-Guy PLAMONDON (Université Paris Sud)
The cluster category of a triangulated surface with punctures.
- **16h35-17h20** - Otto KERNER (H. Heine Universitaet)
Thick subcategories of the stable category of modules over the exterior algebra
- **17h20-17h40** - Coffee break
- **17h40-18h10** - Emine YILDIRIM (Université du Québec à Montréal)
Auslander-Reiten translation on cominuscule posets
- **18h15-18h45** - Shiping LIU (Université de Sherbrooke)
The derived Auslander-Reiten components of an algebra with radical squared zero

3 Tuesday, 5th of September (morning)

- **9h00-9h45** - Andrzej SKOWRONSKI (Nicolaus Copernicus University)
Algebras of generalized quaternion type
- **9h50-10h20** - Alicja JAWORSKA-PASTUSZAK (Nicolaus Copernicus University)
Selfinjective algebras without short cycles of indecomposable modules
- **10h20-10h40** - Coffee break
- **10h40-11h10** - Pamela SUAREZ (Universidad Nacional de Mar del Plata)
On the global dimension of the endomorphism algebra of a τ -tilting module
- **11h15-12h00** - Karin ERDMANN (University of Oxford)
Algebras of generalized dihedral type

4 Tuesday, 5th of September (afternoon)

- **16h00-16h30** - Gustavo JASSO (Universität Bonn)
Triangulations of cyclic apeirotopes and higher dimensional tilting combinatorics
- **16h35-17h20** - Grzegorz BOBINSKI (Nicolaus Copernicus University)
Geometrically irreducible algebras
- **17h20-17h40** - Coffee break
- **17h40-18h10** - Grzegorz ZWARA (Nicolaus Copernicus University)
Tangent spaces to orbit closures for representations of Dynkin quivers
- **18h15-18h45** - Sibylle SCHROLL (University of Leicester)
Algebras and Varieties

5 Wednesday, 6th of September (morning)

- **9h00-9h45** - José Antonio DE LA PEÑA (Universidad Autonoma de Mexico)
Lehmer conjecture and algebras
- **9h50-10h20** - Maria Julia REDONDO (Universidad Nacional del Sur)
Cohomology of partial smash products
- **10h20-10h40** - Coffee break
- **10h40-11h10** - Edson Ribeiro ALVARES (Universidade Federal do Paraná)
 (m, n) -Quasitilted and (m, n) -Almost hereditary algebras
- **11h15-11h45** - Aslak Bakke BUAN (NTNU)
From classical tilting to 2-term silting
- **11h50-12h20** - Manuel SAORÍN (Universidad de Murcia)
Silting theory revisited

6 Thursday, 7th of September (morning)

- **9h00-9h45** - Osamu IYAMA (Nagoya University)
Auslander-Gorenstein algebras from Serre-formal algebras via replication
- **9h50-10h20** - Claudia CHAIO (Universidad Nacional de Mar del Plata)
On the representation type of a category of complexes of fixed size and the strong global dimension
- **10h20-10h40** - Coffee break
- **10h40-11h10** - Victoria GUAZZELLI (Universidad Nacional de Mar del Plata)
On tilting theory and the radical
- **11h15-12h00** - Kunio YAMAGATA (Tokyo University of Agriculture and Technology)
Morita algebras and canonical bimodules

7 Thursday 7th of September (afternoon)

- **16h00-16h30** - Justyna KOSAKOWSKA (Nicolaus Copernicus University)
Generic extensions and Hall polynomials for invariant subspaces of nilpotent linear operators
- **16h35-17h20** - Hugh THOMAS (Université du Québec à Montréal)
Nilpotent endomorphisms of quiver representations and the Robinson-Schensted-Knuth correspondence
- **17h20-17h40** - Coffee break
- **17h40-18h10** - Yann PALU (Université de Picardie - Jules Verne)
The non-kissing complex and tau-tilting over gentle algebras
- **18h15-18h45** - Thomas BRÜSTLE (Bishop's University and Université de Sherbrooke)
On kissing numbers and a basis for Ext^1 over gentle algebras

8 Friday, 8th of September (morning)

- **8h45-9h30** - Helmut LENZING (Universität Paderborn)
Weighted projective lines and Riemann surfaces
- **9h35-10h05** - Ana GARCIA ELSENER (Universidad Nacional de Mar del Plata)
Short exact sequences and skein relations
- **10h10-10h40** - Khrystyna SERHIYENKO (University of California, Berkeley)
Mutation of Conway-Coxeter friezes
- **10h40-11h00** - Coffee break
- **11h00-11h30** - Ilke CANAKCI (Durham University)
Perfect matchings and Grassmannian cluster categories
- **11h35-12h20** - Ralf SCHIFFLER (University of Connecticut)
Cluster-tilted algebras and quasi-tilted algebras