

Programme of the conference

Interplay between representation theory and geometry

Monday 3 May	
09:00-10:00	Registration
10:00-10:50	Kyoji Saito , <i>Spectral decomposition of the Coxeter elements of type $A_{\frac{1}{2}\infty}$ and $D_{\frac{1}{2}\infty}$</i>
10:50-11:10	Tea break
11:10-12:00	Kentaro Hori , <i>D-Branes and Categories</i>
12:00-14:00	Lunch break
14:00-14:50	Masahiko Yoshinaga , <i>Minimal presentations for the fundamental groups of the complement of hyperplane arrangements</i>
15:00-15:50	Hiroshige Kajiura , <i>On A_{∞}-enhancements of triangulated categories and finite dimensional algebras</i>
15:50-16:20	Tea break
16:20-17:10	Fan Xu , <i>Hall type algebras associated to triangulated categories</i>
Tuesday 4 May	
09:00-09:50	Dieter Happel , <i>Piecewise hereditary algebras</i>
10:00-10:50	Yoshihisa Saito , <i>On tensor category arising from representation theory of the restricted quantum universal enveloping algebra associated to \mathfrak{sl}_2</i>
10:50-11:20	Tea break and conference photo
11:20-12:10	Liangang Peng , <i>Coxeter transformations determined by intersection matrices</i>
12:10-14:00	Lunch break
14:00-14:50	Steffen König , <i>Standard objects and exceptional objects, and a box full of structure</i>
15:00-15:50	Atsushi Takahashi , <i>Strange duality of weighted homogeneous polynomials</i>
15:50-16:20	Tea break
16:20-17:10	Dong Yang , <i>Quiver mutations and derived equivalences</i>
18:00--	Conference banquet (Jia-Suo Hotel)

Wednesday 5 May	
09:00-09:50	Helmut Lenzing , <i>Flags for nilpotent operators and weighted projective lines</i>
10:00-10:50	Pu Zhang , <i>Monomorphism categories, cotilting theory, and Gorenstein-projective modules</i>
10:50-11:10	Tea break
11:10-12:00	Susumu Ariki , <i>Modular branching rule for the affine Hecke algebra of type A</i>
12:00-13:30	Lunch break
13:30--	Excursion
Thursday 6 May	
09:00-09:50	William Crawley-Boevey , <i>Linked Fuchsian differential equations and multiplicative preprojective algebras</i>
10:00-10:50	Xiao-Wu Chen , <i>The F-inflation category and its stable category</i>
10:50-11:10	Tea break
11:10-12:00	Jan Schröer , <i>Generic bases for cluster algebras</i>
12:00-14:00	Lunch break
14:00-14:50	Henning Krause , <i>Cosupport and colocalizing subcategories of modules and complexes</i>
15:00-15:50	Yukinobu Toda , <i>Moduli spaces of stable quotients and the wall-crossing phenomena</i>
15:50-16:20	Tea break
16:20-17:10	Osamu Iyama , <i>2-Auslander algebras associated with reduced words in Coxeter groups</i>
Friday 7 May	
09:00-09:50	Nanhua Xi , <i>Some quotient algebras of affine Hecke algebras</i>
10:00-10:50	Idun Reiten , <i>Tilting theory and c-sortable words</i>
10:50-11:10	Tea break
11:10-12:00	Claus Michael Ringel , <i>The set of lengths of indecomposables has no gaps</i>
12:00-14:00	Lunch break
14:00-	Free afternoon (end of the conference)

All the lectures will take place in Room 1112 in the Department of Mathematical Sciences, Science Building of Tsinghua University