Homological Methods in Algebra, Geometry & Physics City University London

Wednesday 23 July

- 10:15 Registration & tea/coffee
- 11:00 Chris Braun Noncommutative localisation of algebras and modules
- 12:00 Richard Hepworth String topology of classifying spaces
- 1:00 Lunch
- 2:30 Benoit Fresse Koszul duality and homotopy automorphisms of operads
- 3:30 Tea/coffee
- 4:00 Wajid Mannan Closed model category structures for coalgebras and curved Lie algebras
- 5:00 Theodore Voronov Homological vector fields, higher Koszul brackets and related structures

Thursday 24 July

- 9:30 Christoph Schweigert Boundary conditions and defects in three-dimensional topological field theory
- 10:30 Tea/coffee
- 11:00 Dennis Borisov Virtual fundamental classes for moduli spaces of sheaves on Calabi-Yau four-folds
- 12:00 Hovhannes Khudaverdian Geometrical foundations of the Batalin-Vilkovisky formalism
- 1:00 Lunch
- 2:30 Raphaël Rouquier Perverse equivalences and higher representations
- 3:30 Tea/coffee
- 4:00 Peter Jørgensen The cluster categories of Igusa and Todorov
- 7:30 Conference Dinner

Friday 25 July

9:30	Alastair Hamilton Noncommutative BV-formalism, functional integrals and pairing classes in the moduli space of Riemann surfaces
10:30	Tea/coffee
11:00	Benjamin Ward Universal operations and cyclic operads
12:00	Vladimir Hinich Rectification of operad algebras
1:00	Lunch
2:30	Isamu Iwanari Tannaka duality theory in derived algebraic geometry and applications
3:30	Alexander Voronov r_{∞} -matrices and quantum ∞ -groups

All talks in College Building A110. Registration and tea/coffee in Drysdale Building E215.