RIMS workshop:
Noncommutative Algebraic Geometry and Related Topics

Dates: July 1 (Mon) – July 5 (Fri), 2013
Place: Room 420, [RIMS](), Kyoto, Japan

Organizers: Colin Ingalls (University of New Brunswick)
Izuru Mori (Shizuoka University)

Supported by: RIMS–Research Institute for Mathematical Sciences

Program:

7/1(Mon)
10:30~10:40 Opening Remark
10:45~11:45 **Ragnar Buchweitz**
The Koszul complex blows up a point
13:15~14:15 **Kenta Ueyama**
Artin-Schelter Gorenstein algebras with isolated singularities
14:30~15:30 **Kenneth Chan**
Rational curves on ruled orders
15:45~16:45 **Takehiko Yasuda**
An invitation to the wild McKay correspondence

7/2(Tue)
 9:30~10:30 **Daniel Krashen**
The Clifford algebra of a morphism
10:45~11:45 **Kyoji Saito**
Primitive forms via polyvector fields
13:15~14:15 **Adam Nyman**
The geometry of (some) non-commutative projective lines

14:30~15:30 **Atsushi Takahashi**
Mirror symmetry of orbifold projective lines and invariant theory of extended cuspidal Weyl groups
15:45~16:45 **Rajesh Kulkarni**
Representations of Clifford algebras and applications

7/3(Wed)
9:30~10:30 **Hiroyuki Minamoto**
Derived completion theorem and its applications
10:45~11:45 **Quanshui Wu**
Twisted Poincare duality over Poisson algebras

Afternoon: Free

7/4(Thu)
9:30~10:30 **Osamu Iyama**
Geigle-Lenzing spaces and canonical algebras in dimension d
10:45~11:45 **Boris Lerner**
Geigle-Lenzing spaces via orders
13:15~14:15 **Elenore Faber**
Non-commutative resolutions and non-normal rings
14:30~15:30 **Akira Ishii**
Dimer models and crepant resolutions
15:45~16:45 **Hai Long Dao**
On the module structure of Hom(M, N)

7/5(Fri)
9:30~10:30 **Greg Stevenson**
Noncommutative hypersurfaces and matrix factorisations
10:45~11:45 **Daniel Rogalski**
Serre duality and Nakayama automorphisms