Symplectic reflection algebras and quantum Hamiltonian reduction

Speaker: Dr Gan Wee Liang, Department of Mathematics, Massachusetts Institute of Technology (M.I.T.)

Abstract:
Symplectic reflection algebras of wreath-product type give non-commutative deformations of the symmetric products of Kleinian singularities. The representation theory of these algebras is expected to be closely related to the geometry of Hilbert schemes of points on minimal resolutions of the Kleinian singularities. The speaker will give an overview of some recent developments.

About the speaker:
Dr Gan Wee Liang received his B.A. in Mathematics from Cambridge University in 1998, and his Ph.D. in Mathematics from University of Chicago in 2003. Since 2003, he is a Moore Instructor in M.I.T. His research area is Representation Theory.

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All are welcome!