# Quivers and Representations

December 2–3 , 2005

Osaka City University Advanced Mathematical Institute

Organizers: H. Asashiba, T. Tanisaki

Place: Osaka City University, Department of Mathematics, Sci. Bldg., 2068

Program

- December 2 (Friday)

  13:30-14:30   Hiraku Nakajima (Kyoto University)

  PBW/canonical bases for quantum affine algebras (review)

  14:40-15:40   Catharina Stroppel (University of Glasgow)

  Harish-Chandra bimodules, (dual) canonical bases and quiver varieties

  15:50-16:50   Hyeonmi Lee (KIAS)

  Extended Nakajima monomials and crystal $B(\infty)$

- December 3 (Saturday)

  10:00-11:00   Bangming Deng (Beijing Normal University)

  Representations of quivers with automorphisms

  11:10-12:10   Liangang Peng (Situan University), Yanan Lin (Xiamen University)

  Tubular mutations and automorphisms of elliptic Lie algebras

  13:30-14:30   Osamu Iyama (Nagoya University)    Tilting complexes over skew group rings

  14:40-15:40   Yoshihisa Saito (University of Tokyo)

  An additive degeneration of elliptic Hecke algebras and orthogonal polynomials

  15:50-16:50   Jie Xiao (Tsinghua University)

  A moduli space in the derived category and its Lie algebra