



# A.G.O. FRiDAYS

(Algebraic Geometry On Fridays)

## *ADE (twisted) quiver bundles on a curve.*

**Speaker: Lee, Hwayoung**  
(KIAS)

### ABSTRACT

This is a work in progress with B. Kim and T. Logvinenko. In the talk, I will introduce the curve counting theory via ideal sheaves/stable pairs on 'Calabi–Yau' threefold. According to Diaconescu's work, the moduli of stable ADHM quiver bundles on a smooth projective curve  $X$  is naturally isomorphic to the moduli of stable pairs on  $\mathbb{C}^2 \times X$ . We extend this with  $\Gamma$ -action on  $\mathbb{C}^2$ , where  $\Gamma$  is a finite subgroup of  $SL_2(\mathbb{C})$ . Using McKay correspondence, certain stable pairs on  $\Gamma$ -Hilb( $\mathbb{C}^2$ )  $\times X$  relate to stable ADE quiver bundles which correspond to stable quasimaps.

- **Time & Date : 02:00p.m.~03:00 p.m.**  
**June 7 (Fri) 2013**
- **Place : Math Science Building room 404**