

Hiroshi Iritani: **Constructing mirrors via shift operators**

In this talk, I will explain a mirror construction for big equivariant quantum cohomology of toric varieties via shift operators of equivariant parameters. Shift operators in equivariant quantum cohomology have been introduced in the work of Braverman, Maulik, Okounkov and Pandharipande and can be viewed as an equivariant lift of the Seidel representation. These operators naturally define a mirror Landau-Ginzburg potential together with a primitive form and yield an almost tautological proof of toric mirror symmetry. They are also closely related to the Gamma structure in quantum cohomology.