

***FROM CURVE COUNTING ON CALABI-YAU 4-FOLDS TO
QUASIMAPS FOR QUIVERS WITH POTENTIALS***

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Time: Fri, Mar. 31, 15:00-16:00

Venue: Room 102, SCMS

Abstract:

I will start by reviewing an old joint work with Daveshe Maulik and Yukinobu Toda on relating Gromov-Witten, Gopakumar-Vafa and stable pair invariants on compact Calabi-Yau 4-folds. For non-compact CY4 like local curves, similar invariants can be studied via the perspective of quasimaps to quivers with potentials. In a joint work in progress with Gufang Zhao, we define a virtual count for such quasimaps and prove a gluing formula. Computations of examples will also be discussed.