

Program

Dates: January 7–11, 2008

Venue: Room 420, Research Institute for Mathematical Sciences,
Kyoto University, Kyoto, Japan

January 7 (Monday)

9:00–9:30 Registration

9:30–10:30 **R. Pandharipande** (Princeton Univ.)

Open descendent integrals

10:50–11:50 **J. Li** (Stanford Univ.)

*Towards high genus GW-invariants of quintic
Calabi–Yau threefold*

13:30–14:30 **N. C. Leung** (Chin. Univ. of Hong Kong)

On the SYZ mirror transformation

14:50–15:50 **H. Iritani** (Kyushu Univ.)

Wall-crossing in toric Gromov–Witten theory

16:10–17:10 **M-H. Saito** (Kobe Univ.)

*Moduli spaces of linear connections and Riemann–Hilbert
correspondences*

January 8 (Tuesday)

9:30–10:30 **K. Fukaya** (Kyoto Univ.)

Floer theory of orbits in toric manifolds

10:50–11:50 **M. Gross** (Univ. of California, San Diego)

The tropical vertex

13:30–14:30 **A. Takahashi** (Osaka Univ.)

Mirror symmetry of isolated hypersurface singularities

14:50–15:50 **T. Pantev** (Univ. of Pennsylvania)

Generalized Hodge structures and mirror symmetry

16:10–17:10 **Y. Toda** (Univ. of Tokyo)

Limit stable objects on Calabi–Yau 3-folds

January 9 (Wednesday)

9:30–10:30 **N. Nekrasov** (IHÉS)

Lessons from low dimensional topological strings

10:50–11:50 **R. Donagi** (Univ. of Pennsylvania)

*Hitchin systems, mirror symmetry, and geometric
Langlands duality*