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

January 10 (Thursday)

9:30–10:30 : **C. Sabbah** (École Polytechnique)
Quantum cohomology of the Grassmannian and alternate Thom–Sebastiani

10:50–11:50 **T. Mochizuki** (Kyoto Univ.)
On wild harmonic bundles

13:30–14:30 **C. Hertling** (Univ. Mannheim)
Hypersurface singularities and tt^* geometry

14:50–15:50 **B. Kim (KIAS)**
A compactification of the space of maps from curves

16:10–17:10 **K. Takasaki** (Kyoto Univ.)
Integrable structure in melting crystal model of 5D gauge theory

January 11 (Friday)

9:30–10:30 **J. Stienstra** (Utrecht Univ.)
Two-variable hypergeometric systems and dessins d'enfants

10:50–11:50 **M. Mulase** (Univ. of California, Davis)
Matrix integral approach to character varieties