## Program

**Lecture series:**

Lecture I: Frobenius manifold structure and Lagrangian Floer theory for toric manifolds.
Kenji Fukaya (SCGP), Yong-Geun Oh (IBS),
Hiroshi Ohta (Nagoya U), Kaoru Ono (KURIMS)

Lecture II: Introduction to FJRW theory and a mathematical approach to the Gauged Linear Sigma Model.
Huijun Fan (Peking U), Tyler Jarvis (Brigham Young U),
Yongbin Ruan (Michigan U)

Lecture III: LG-model via Kodaira-Spencer gauge theory.
Si Li (Boston U)

**February 10 (Monday)**

09:30-10:45 Lecture I-1: Kenji Fukaya (SCGP)

11:15-12:30 Lecture III-1: Si Li (Boston U)

13:45-15:00 Lecture II-1: Tyler Jarvis (Brigham Young U)

15:30-16:45 Serguei Barannikov (Jussieu)
On the noncommutative Batalin-Vilkovisky formalism and EA matrix integrals.

17:00-18:15 Yuuki Shiraishi (Osaka U.)
On Weyl group and Artin group associated to orbifold projective lines.
Nathan Priddis (U. Michigan)
A Landau-Ginzburg/Calabi-Yau correspondence for the mirror quintic.
Mohammad Reza Rahmati (CIMAT)
Hodge Theory of Isolated Hypersurface Singularities.

**February 11 (Tuesday)**

09:30-10:45 Lecture II-2: Tyler Jarvis (Brigham Young U)

11:15-12:30 Lecture I-2: Kenji Fukaya (SCGP)

13:45-15:00 Lecture III-2: Si Li (Boston U)

15:30-16:45 Atsushi Takahashi (Osaka U)
From Calabi-Yau dg categories to Frobenius manifolds via primitive forms.

17:00-18:15 Kentaro Hori (Kavli IPMU), Mauricio Romo (Kavli IPMU)
The parameter delta.