

Quantum algebra related to
various topological field theories
in geometries

Kyoto University

Program

Monday (Feb.16)

- 13:00 Teleman Big branes and small branes in string topology
14:30 Watanabe Kontsevich's graph characteristic classes of smooth bundles
16:00 Abouzaid Framed Bordism and Lagrangian embeddings of exotic spheres

Tuesday (Feb.17)

- 10:00 Gomi Multiplication in differential cohomology and cohomology operation
11:30 Tsygan Oscillatory modules
14:30 Kajiura On DG categories of deRham type for Morse homotopy on \mathbb{R} and its generalization
16:00 Voronov The quantum master equation for moduli spaces

Wednesday (Feb.18)

- 10:00 Fan Quantum singularity theory and the generalized Witten conjecture
11:30 Akaho Immersed Lagrangian Floer theory
14:30 Futaki On the local homological mirror for toric del Pezzo surface
16:00 Latschev Symplectic field theory and symplectic fillings

Thursday (Feb.19)

- 9:00 Woodward Morphisms of CohFT's and the mirror map
10:30 Nishinou Toric degenerations of Gelfand-Cetlin systems and their applications (joint work with Yuichi Nohara and Kazushi Ueda)
12:00 Chen Cyclic homology, string topology and their quantization

Friday (Feb.20)

- 9:00 Nadler Fourier transform for microlocal branes
10:30 Nakajima Quiver Varieties and Geometric Langlands Correspondence for Affine Lie Algebras
12:00 Hori TBA