

Student Seminars — List of Speakers & Titles —

Berkeley-Tokyo Winter School
February 8-19, 2016
University of California, Berkeley

Venue : Common Room 1015, Evans Hall (unless otherwise indicated)

Monday, February 8

16:00–17:30

Satoshi Sugiyama (UTokyo)

On geometric Koszul duals of directed higher Koszul algebras

Hokuto Konno (UTokyo)

Bound on genus and configurations of embedded surfaces in 4-manifolds

Tuesday, February 9

16:00–17:30

Alex Takeda (UC Berkeley)

Categorical orientations and shifted symplectic structures

Taito Tauchi (UTokyo)

Dimension of invariant distributions

Wednesday, February 10

16:00–17:30

Morimichi Kawasaki (UTokyo)

Bavard's duality between Burago-Ivanov-Polterovich and Entov-Polterovich

Adrian Jimenez Pascual (UTokyo)

Presenting lassos and their properties

Thursday, February 11

16:00–17:30

Yuya Kato (UTokyo)

Nonsmoothable group actions on Spin 4-manifolds

Ben Wormleighton (UC Berkeley)

Hilbert series of orbifold del Pezzo surfaces

Friday, February 12

16:00–17:30

Benjamin Gammage (UC Berkeley)

Towards Hochschild Cohomology of Fukaya Categories

Naoya Umezaki (UTokyo)

The characteristic cycle of an etale sheaf

Monday, February 15

16:00–17:30

Yoshinori Tanimura (UTokyo)

A split of the local rigidity of Clifford-Klein forms of homogeneous spaces of completely solvable Lie groups

Yosuke Morita (UTokyo)

Cohomological obstructions to the existence of compact Clifford–Klein forms

Tuesday, February 16

16:00–17:30

Aaron Mazel-Gee (UC Berkeley)

Towards motivic modular forms

Daniel Lowengrub (UC Berkeley)

Gromov-Witten theory and derived algebraic geometry

Thursday, February 18

13:30–15:00

Sho Yoshikawa (UTokyo)

On the reduction of a potentially Barsotti-Tate Galois representation of certain wild type.

Zhuofeng He (UTokyo)

Certain actions on higher dimensional noncommutative tori of tensor product type

16:00–17:30

Ryan Thorngren (UC Berkeley)

Computing the Serre Spectral Sequence for Postnikov Towers and Noether's Theorem for Discrete Symmetries

Penghui Li (UC Berkeley)

Uniformization of semistable bundles on elliptic curves

Friday, February 19

9:30–11:00 Room 1015

Ryo Nojima (UTokyo)

Tensor category and conformal field theory

Ammar S. Husain (UC Berkeley)

G -extension of Turaev-Viro

9:30–11:00 Room 959

Yasuhiko Asao (UTokyo)

Classification of weighted projective spaces

Eiji Inoue (UTokyo)

On a moduli of holomorphic vector bundles

9:30–11:00 Room 961

Yusuke Kawamoto (UTokyo)

C^0 phenomena in symplectic topology

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13:30–15:00 Room 1015

Kouichi Taira (UTokyo)

Smoothing effects of Schrödinger equations and geodesic flows on complete Riemannian manifolds

Seng Pei Liew (UTokyo)

Dark matter and physics beyond the standard model

13:30–15:00 Room 961

Hiroyoshi Tamori (UTokyo)

A “deformation” of two minimal representations

Ben McMillan (UC Berkeley)

Cartan’s method of equivalence and local invariants of geometric objects

13:30–15:00 Room 891

Hiroyuki Ishiguro (UTokyo)

Non-displaceable subsets in symplectic manifold

Masaki Taniguchi (UTokyo)

ASD-moduli space on periodic end manifolds

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16:00–17:30 Room 1015

Gus Schrader (UC Berkeley)

Towards Cluster Structure on Quantum Groups, I

Alexander Shapiro (UC Berkeley)

Towards Cluster Structure on Quantum Groups, II