

The 68th Geometry Symposium : Program
(Aug. 31st ~ Sep. 3rd, 2021 : Zoom)

Aug. 31st

9:30–10:30	Plenary	Hiraku Nakajima(KAVLI IPMU, University of Tokyo) Intersection cohomology groups of instanton moduli spaces and cotangent bundles of affine flag varieties	
10:50–11:50	Plenary	Masahito Yamazaki (KAVLI IPMU, Univeristy of Tokyo) Quiver Yangians and Donaldson–Thomas invariants	
13:30–14:10	Parallel	Session A: Shintaro Akamine (Nihon University) Reflection principles for maximal surfaces	Session B: Tomoya Akamatsu (Osaka University) A new transport distance and its associated Ricci curvature of hypergraphs
14:30–15:10	Parallel	Kazuhiro Okumura (NIT, Asahikawa College) A certain tensor on real hypersurfaces in a nonflat complex space form	Hiroshi Tsuji (Osaka University) Dilation type inequalities for strongly-convex sets in weighted Riemannian manifolds
15:30–16:10	Parallel	Naomichi Nakajima (Hokkaido University) Local normal forms of e/m-wavefronts in flat affine coordinates	Daisuke Kazukawa (Osaka University) Convergence of high-dimensional ellipsoids, spheres, and projective spaces

Sep. 1st

9:30–10:30	Plenary	Qing–Ming Cheng (Fukuoka University) Chern problems on minimal hypersufaces	
10:50–11:50	Plenary	Yasushi Homma (Waseda University) Higgs algebra in harmonic analysis on the Grassmannian of 2–planes	
13:30–14:10	Parallel	Session A: Shinichiro Kobayashi (Tohoku University) On the higher Laplace eigenvalues of vertex–transitive graphs	Session B: Yoshiki Kaneko (Waseda University) Local solutions of the tt*–Toda equations and quantum cohomology of inuscule flag manifolds
14:30–15:10	Parallel	Hiroki Nakajima (Tohoku University) Convergence of group actions in metric measure geometry	Takuma Tomihisa (Waseda University) Spinor analysis on spaces of constant curvature
15:30–16:10	Parallel	Ryuya Namba (Ritsumeikan University) Random walks on covering graphs of polynomial volume growth via discrete geometric analysis	Yuya Ikeda (Hiroshima University) Designs on vector bundles

Sep. 2nd

9:30–10:30	Plenary	Yosuke Morita (Kyoto University) The existence problem of compact quotients of non–Riemannian homogeneous spaces	
10:50–11:50	Plenary	Mayuko Yamashita (RIMS) The classification problem of non–topological invertible QFT’s and a “differential” model for the Anderson duals	
13:30–14:10	Parallel	Session A: Satoshi Nakamura (NIT, Numazu College) On coupled Kähler–Einstein metrics on Fano manifolds	Session B: Masahiro Kawamata (Hiroshima University) On properties of the generalized Monge–Ampere equation and its geometric singular solution
14:30–15:10	Parallel	Shunsuke Saito (Tokyo University of Science) Asymptotic Chow polystability of polarized toric surfaces	Kaname Hashimoto (Osaka City University/Yamato University) Totally complex submanifolds and R–spaces
15:30–16:10	Parallel	Yuya Takahashi (Nagoya University) The polygon space and geometric quantization	Yoshito Ishiki (RIKEN, Photonics Control Technology Team) Typical geometric properties in spaces of metrics

Sep. 3rd

9:50–10:30	Parallel	Session A: Atsufumi Honda (Yokohama National University) Singularities of spacelike mean curvature one surfaces in de Sitter space	Session B: Yuichi Ike (University of Tokyo) Microlocal sheaf theory and energy estimates in symplectic geometry
10:50–11:50	Plenary	Yoshihiro Ohnita (Osaka City University) Geometry of submanifolds related to isoparametric submanifolds	
13:30–14:30	Plenary	Kenji Fukaya (SCGP, State University of New York) Gromov–Hausdorff distance between filtered A infinity categories	