The 8th workshop "Complex Geometry and Lie Groups"
March 10th - 14th, 2025, Osaka, Japan

PROGRAM

Monday, 10th

9:00 - 9:30   Registration

9:30 - 9:40   Opening

– Morning Session –

9:40 - 10:40   Dan Popovici: *Higher-Degree Holomorphic Contact Structures.*

11:00- 12:00   Adriano Tomassini: *Non-Kähler manifolds with special structures.*

[Lunch]

– Afternoon Session –

14:00 - 15:00   Giovanni Bazzoni: *Complex symplectic structures on Lie groups*

15:20 - 16:20   Hideyuki Ishi: *The Tian-Yau-Zeldich expansions for homogeneous Kähler metrics on a boundod homogeneous domain.*

16:40- 17:40   Mario Garcia Fernandez: *Commuting pairs of N = 2 algebras from canonical generalized Kähler structures and the elliptic genus.*

Tuesday, 11th

9:20 - 9:40   Registration

– Morning Session –

9:40 - 10:40   Vestislav Apostolov: *From Kähler-Ricci solitons to Calabi-Yau cones.*

11:00 - 12:00   Eleonora Di Nezza: *Quasi-convexity of the Mabuchi Functional in singular settings.*

[Lunch]

– Afternoon Session –

14:00 - 15:00   Scott Wilson: *On the interplay between topology, geometry, and complex analysis on compact manifolds.*

15:20 - 16:20   Luigi Vezzoni: *New advances in HyperHermitian geometry.*

– Evening Session –

Short Communication (Short Talk)

16:40 -18:40

Wednesday, 12th

– Morning Session –

9:40 - 10:40   Hiroshi Tamaru: *Nilpotent Lie algebras obtained by quivers and Ricci solitons.*

11:00 - 12:00   Ramiro Lafuente: *Collapsing Ricci flows and Higgs bundles.*

[Lunch]

EXCURSION (in the afternoon)
PARTY (in the evening)

Thursday, 13th

– Morning Session –

9:40 - 10:40   Takayuki Okuda: *Coarse coding theory and discontinuous groups on homogeneous spaces.*

11:00 - 12:00   Jeffrey Streets: *Generalized Ricci Flow and the Hull-Strominger System.*

[Lunch]

– Afternoon Session –

14:00 - 15:00   Yuta Kusakabe: *On pseudoconvexity of Gromov elliptic manifolds.*

15:20 - 16:20   Eveline Legendre: *The CR-Yamabe invariant and constant scalar curvature metrics on polarized manifolds.*

– Evening Session –

Short Communication (Short Talk)

16:40 -18:40

Friday, 14th

– Morning Session –

9:40 - 10:40   Yoshihiko Matsumoto: *A construction of Poincaré-Einstein metrics of cohomogeneity one on the ball*

11:00 - 12:00   Vicente Cortés: *Darboux theorem for generalized complex structures on transitive Courant algebroids.*

12:20- 12:30   Ending

* NOTE: Short Communication (Poster) is also scheduled during the workshop.

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*Workshop Organizers: Anna Fino, Ryushi Goto, Keizo Hasegawa,
Hisashi Kasuya, Alberto Raffero*