

The 6th workshop "Complex Geometry and Lie Groups"

February 15- 20, 2021, Niigata, Japan

ONLINE

PROGRAM

The workshop starts at 7:00 GMT (8:00 in Italy and Germany; 16:00 in Japan). In the list the time is in GMT.

Monday, 15

- 7:00 - 7:50 Hisashi Kasuya*: *Higgs bundles and flat connections over compact Sasakian manifolds and their applications.*
- 8:05 - 8:55 Luigi Vezzoni*: *Geometric flows of Hermitian metrics on Lie groups.*
- 9:10 - 10:00 Fabrizio Catanese: *Automorphism groups of compact Kaehler manifolds and surfaces.*
- 10:15 - 10:40 Eugenia Loiudice: *How to construct f -K-contact and S-manifolds.*

Tuesday, 16

- 7:00 - 7:50 Ryosuke Takahashi*: *Some geometric flow approaches for deformed Hermitian-Yang-Mills equation.*
- 8:05 - 8:55 Alexandra Otiman: *Special non-Kähler metrics on solvmanifolds.*
- 9:10 - 10:00 Dan Popovici*: *Higher-Page Hodge Theory of Compact Complex Manifolds.*
- 10:15 - 11:05 Daniele Angella*: *Locally conformally Kähler threefolds of algebraic dimension 2.*

Wednesday, 17

- 7:00 - 7:50 Kazushi Ueda*: *Homological mirror symmetry for affine K3 surfaces.*
- 8:05 - 8:55 Oliver Goertsches*: *Hamiltonian non-Kähler actions in low dimensions.*
- 9:10 - 10:00 Francis E. A. Johnson: *Fibering by locally symmetric spaces.*
- 10:15 - 10:40 Kotaro Kawai: *Deformation theory of deformed Donaldson–Thomas connections.*

Thursday, 18

- 7:00 - 7:50 Kengo Hirachi: *Local and global invariants of CR geometry.*
- 8:05 - 8:55 Kazuyuki Hasegawa*: *The quaternionic/hypercomplex-correspondence.*
- 9:10 - 10:00 Alberto Raffero*: *Symplectic half-flat manifolds with large symmetry group.*
- 10:15 - 10:40 Federico A. Rossi*: *Diagram involutions and homogeneous Ricci-flat metrics.*

Friday, 19

- 7:00 - 7:50 Nobuhiro Honda*: *Segre surfaces and minitwistor spaces with genus one.*
- 8:05 - 8:55 Leonardo Biliotti: *Satake-Furstenberg compactifications and gradient map.*

9:10 - 10:00 Vicente Cortés*: *Generalized connections, integrability, and T-duality.*

10:15 - 10:40 Michela Zedda: *Stability with respect to actions of real reductive Lie groups.*

Saturday, 20

7:00 - 7:50 Yuji Odaka: *Collapsing hyperKähler manifolds and Satake compactification of adjoint type.*

8:05 - 8:55 Adriano Tomassini*: *On the anti-invariant cohomology of almost complex manifolds.*

9:10 - 10:00 Nicolina Istrati*: *Toric Kato manifolds.*

10:15 - 11:05 Zakarias Sjöström Dyrefelt: *Constant scalar curvature and Kähler manifolds with nef canonical bundle.*

* indicates video recording

Workshop Organizers: Anna Fino, Ryushi Goto, Keizo Hasegawa, Fabio Pedestá, Massimiliano Pontecorvo