

Submanifold Geometry, Lie Group Action and Its Applications to Theoretical Physics 2026

Date : November 21 - 23, 2026

**Place : Osaka Metropolitan University, Sugimoto Campus,
Building E, Room E408**

Program

November 21

- 9:57 - 10:00 Opening Ceremony
- 10:00 - 11:00
 Speaker: Keomkyo Seo (Sookmyung Women's University, Korea)
 Title: Rigidity Results for Steklov-Type Problems on Riemannian Manifolds
- 11:15 - 12:15
 Speaker: Makiko Sumi Tanaka (Tokyo University of Science)
 Title: Geometry of oriented Lagrangian Grassmann manifolds

Photo & Lunch

- 14:10 - 15:10
 Speaker: Naotoshi Fujihara (Tokyo University of Science)
 Title: Weighted curve shortening flow in orbifolds and cohomogeneity-one
 Lagrangian mean curvature flow
- 15:20 - 16:20
 Speaker: Shota Hamanaka (University of Tsukuba)
 Title: Weighted Yamabe flow and weighted ADM mass
- 16:35 - 17:35
 Speaker: Kurando Baba (Tokyo University of Science & University of Augsburg)
 Title: Equifocal Hypersurfaces in Symmetric Spaces of Compact Type
 and Backward Mean Curvature Flows (Online talk)

November 22

- 9:50 - 10:50

Speaker: Jaigyoung Choe (Korea Institute for Advanced Study (KIAS), Korea)

Title: Reflection principle across a sphere for free boundary minimal surfaces

- 11:00 - 12:00

Speaker: Reiko Miyaoka (Tohoku University)

Title: Chern's conjecture in the Dupin case

Lunch

- 13:50 - 14:50

Speaker: Yuta Yamauchi (Yokohama National University)

Title: Minimal total absolute curvature for equiaffine immersions

- 15:00 - 16:00

Speaker: Kotaro Kawai (Beijing Institute of Mathematical Sciences and Applications, China)

Title: Anisotropic calibration

- 16:15 - 17:15

Speaker: Shinji Ohno (Nihon University)

Title: On the Intersection of Two Real Flag Manifolds in Complex Flag Manifolds

Banquet(18:30~, at Namba)

November 23

- 10:00 - 11:00

Speaker: Jun Sasaki (Institute of Science Tokyo)

Title: On Higgs triples and Higgs quadruplets

- 11:10 - 12:10

Speaker: Isami Koga (Kyushu International University)

Title: TBA

Photo