

Submanifold Geometry and Lie Group Action 2025

Date : December 9 - 10, 2025

**Place : Tokyo University of Science, Kagurazaka Campus
Morito Memorial Hall, Forum No.1**

Program

December 9

• 9:45 - 10:45

Speaker: Kazuki Kannaka (Kanazawa University)

Title: Hurwitz-Radon number and proper actions on semisimple Lie groups

• 11:00 - 12:00

Speaker: Atsumu Sasaki (Tokai University)

Title: Invariant measures on reductive real spherical homogeneous spaces

Lunch

• 13:50 - 14:50

Speaker: Masahiro Morimoto (Tokyo Metropolitan University)

Title: Affine differential geometry of parallel transport maps and
weakly reflective submanifolds

• 15:05 - 16:05

Speaker: Kurando Baba (Tokyo University of Science)

Title: On Backward Mean Curvature Flow for Equifocal Submanifolds
in Symmetric Spaces of Compact Type

• 16:20 - 17:20

Speaker: Hiroyuki Tasaki (Tokyo Metropolitan University, University of Tsukuba)

Title: Polars of Pin^c groups and related compact Lie groups

party (18:00~20:00)

December 10

• 9:45 - 10:45

Speaker: Naoki Kato (Chukyo University)

Title: Left-invariant transversely affine foliations and a generalization of left-symmetric structures

• 11:00 - 12:00

Speaker: Daisuke Tarama (Ritsumeikan University)

Title: Subriemannian geodesic flows of the seven-dimensional sphere

Lunch

• 13:50 - 14:50

Speaker: Yuta Yamauchi (Keio University)

Title: The total absolute curvature of submanifolds with singularity

• 15:05 - 16:05

Speaker: Taro Kimura (National Institute of Technology, Tsuruoka College)

Title: Cartan embeddings of compact Riemannian k -symmetric spaces

• 16:20 - 17:20

Speaker: Yasuyuki Nagatomo (Meiji University)

Title: The categories of representations and holomorphic maps into Grassmannians