

Submanifold Geometry and Lie Group Action 2024

Date : December 2 - 3, 2024

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

Program

December 2

• 9:45 - 10:45

Speaker: Yuichiro Sato (Waseda University, GEC)

Title: Ricci-flat left invariant Lorentzian metrics on almost abelian Lie groups

• 11:00 - 12:00

Speaker: Shinobu Fujii (Chitose Institute of Science and Technology)

Title: On Symmetric Clifford systems and subquandles in real Grassmannian

Lunch

• 13:50 - 14:50

Speaker: Kyoji Sugimoto (Tokyo University of Science)

Title: Antipodal sets of pseudo-Riemannian symmetric R-spaces

• 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: Makiko Sumi Tanaka (Tokyo University of Science)

Title: Maximal antipodal subgroups and covering homomorphisms
with odd degree

party (18:00~20:00)

December 3

• 9:45 - 10:45

Speaker: Yu Ohno (Hokkaido University)

Title: Homogeneous structures of 3-dimensional naturally reductive homogeneous spaces

• 11:00 - 12:00

Speaker: Isami Koga (Kyushu International University)

Title: TBA

Lunch

• 13:50 - 14:50

Speaker: Kota Hattori (Keio University)

Title: The energy of maps accompanying the collapsing of the K3 surface

• 15:05 - 16:05

Speaker: Yoshio Agaoka (Hiroshima University)

Title: An identity of Ricci curvatures for left invariant metrics
– the three dimensional case -

• 16:20 – 17:20

Speaker: Osamu Ikawa (Kyoto Institute of Technology)

Title: The intersection of two real flag manifolds in a complex flag manifold,
the canonical form of a compact symmetric triad, and their application