

Integral Geometry, Representation Theory and Complex Analysis

Kavli Institute for the Physics and Mathematics of the Universe

27 (Mon)--28 (Tue) January 2020

27 (Mon) January 2020

- 9:30--10:00 registration
- 10:00--11:00 **Joseph Bernstein** (Tel Aviv University and The University of Tokyo)
Geometric Realization of Harish-Chandra Modules
- 11:20--12:20 **Toshiyuki Kobayashi** (The University of Tokyo and Kavli IPMU)
Regular Representations on Homogeneous Spaces
- 12:30 photo
- 14:00--15:00 **Laura Geatti** (University of Roma)
The Adapted Hyper-Kähler Structure on the Tangent Bundle of a Hermitian Symmetric Space
- 15:00--15:30 tea time
- 15:30--16:30 **Simon Gindikin** (Rutgers University)
Universal Nature of the Horospherical Transform in Symmetric Spaces
- 17:00 Banquet (Plaza Ikoï (inside the Kashiwa Campus))

28 (Tue) January 2020

- 10:00--11:00 **Taito Tauchi** (The University of Tokyo)
Relationship between Orbit Decomposition on the Flag Varieties and Multiplicities of Induced Representations
- 11:20--12:20 **Mikhail Kapranov** (Kavli IPMU)
Bivariant Approach to Perverse Sheaves
- 14:00--15:00 **Michael Pevzner** (University of Reims)
From Symmetry Breaking toward Holographic Transform in Representation Theory
- 15:00--15:40 tea time
- 15:40--16:40 **Leticia Barchini** (Oklahoma University)
Cells of Harish-Chandra Modules