

# Lie Groups and Representation Theory Seminar at the University of Tokyo

## リー群論・表現論セミナー

- DATE June 15 (Tue), 2021, 17:00–18:00
- PLACE Online
- SPEAKER **Toshiyuki Kobayashi** (小林俊行) (The Univ. of Tokyo)
- TITLE 極限代数と緩増加表現  
Limit algebras and tempered representations
- ABSTRACT 次の4つの（見かけ上は無関係な）4つのトピックについての新しい関係について話す予定です。
1. (解析) 等質空間上のユニタリ表現が緩増加
  2. (組合せ論) 凸多面体
  3. (トポロジー) 極限代数
  4. (シンプレクティック幾何学) 余随伴軌道の幾何学的量子化

I plan to discuss the new connection between the following four (apparently unrelated) topics:

1. (analysis) Tempered unitary representations on homogeneous spaces
2. (combinatorics) Convex polyhedral cones
3. (topology) Limit algebras
4. (symplectic geometry) Quantization of coadjoint orbits

based on a series of joint papers with Y Benoist “Tempered homogeneous spaces I–IV”.