

Lie Groups and Representation Theory Seminar
at the University of Tokyo

リー群論・表現論セミナー

DATE Nov 27 (Wed), 2024, 14:30–15:30

PLACE Room 122

SPEAKER **Ali Baklouti** (University of Sfax)

TITLE A proof of the Zariski closure conjecture for coadjoint orbits of exponential Lie groups

ABSTRACT I will begin by defining the Zariski Closure Conjecture for coadjoint orbits of exponential solvable Lie groups, examining some cases that have been solved, and addressing the ongoing challenges in resolving the conjecture fully. I will then introduce new approaches to explore the relationship between generating families of primitive ideals and the set of polynomials that vanish on the associated coadjoint orbits, ultimately aiming to advance toward a solution to the conjecture.