

## Representation Theory: Lie Theory and Geometry Special Session A17

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The session will focus on recent progress in exploring the interconnections between Lie and representation theory. Experts from the areas of geometric, categorical and combinatorial representation theory will be invited with the goal of promoting new connections and collaborations between these areas. Invitations have also been extended to junior mathematicians (postdocs and graduate students) to present their work.

Some of the topics covered in the session will involve tensor triangulated geometry, derived categories and their equivalences, categorification, representations of algebraic groups, quantum groups and Hecke algebras, cluster algebras, and quiver representations. The session will be held on July 23-24.