



Thematic Session

Session title: Representation Theory, Transformation Groups, and Applications

Organizers:

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Description of the topic:

During our session, we would like to consider topics from the representation theory of groups itself, as well as its applications to geometry, topology, coding theory, and mathematical physics. In particular, we would like to discuss topics such as crystallographic groups, characteristic classes (spin structure), group actions on manifolds, representations of Lie groups, algebraic groups, and Hecke algebras.

2011 Mathematic Subject Classification:

20Cxx, 20H15, 20Gxx, 57Nxx, 57Rxx, 57Sxx