

Mini-Conference
Integral Geometry and Representation Theory

- DATE August 12 (Wed), 2009
- PLACE Room 002, Graduate School of Mathematical Sciences
The University of Tokyo
- TIME 10:00–11:00
- SPEAKER **Sigurdur Helgason** (MIT)
- TITLE Radon transforms and some applications
- ABSTRACT
- TIME 11:20–12:20
- SPEAKER **Fulton Gonzalez** (Tufts University)
- TITLE Multitemporal wave equations: mean value solutions
- ABSTRACT
- TIME 14:00–15:00
- SPEAKER **Angela Pasquale** (Universite Metz)
- TITLE Analytic continuation of the resolvent of the Laplacian in the Euclidean setting
- ABSTRACT We discuss the analytic continuation of the resolvent of the Laplace operator on symmetric spaces of the Euclidean type and some generalizations to the rational Dunkl setting.
- TIME 15:30–16:30
- SPEAKER **Henrik Schlichtkrull** (Univ. of Copenhagen)
- TITLE Decay of smooth vectors for regular representation
- ABSTRACT Let G/H be a homogeneous space of a Lie group, and consider the regular representation L of G on $E = L^p(G/H)$. A smooth vector for L is a function f in E such that $g \mapsto L(g)f$ is smooth, G to E . We investigate circumstances under which all such functions decay at infinity (jt with B. Krötz).