GCOE Lectures
at the University of Tokyo

DATE   June 3 (Thu), 2010, 16:30–18:00

PLACE   Room 470, Graduate School of Mathematical Sciences

SPEAKER   **Birgit Speh** (Cornel University)

TITLE   Introduction to the cohomology of locally symmetric spaces 2

ABSTRACT   I will give an introduction to the cohomology of noncompact locally symmetric spaces $X_\Gamma = K\backslash G/\Gamma$. If X_Γ is cocompact this cohomology can be expressed as the (g, K)-cohomology of automorphic representations. I will explain how representation theory and automorphic forms can be used to study the cohomology in this case.