

# GALOIS REPRESENTATIONS AND AUTOMORPHIC FORMS SEMINAR

Submitted by Anonymous on Wed, 11/03/2010 - 16:01  
Algebraic Cycles on Picard Moduli Spaces of Abelian Varieties  
Speaker Michael Rapoport  
University of Bonn  
**Date:** Thu, 11/11/2010 - 14:15 - 15:15  
**Location:** S-101

Picard moduli spaces parametrize principally polarized abelian varieties with complex multiplication by the ring of integers in an imaginary-quadratic field. The loci where the abelian varieties split off an elliptic curve in a controlled way are divisors on this moduli space. We study the intersection behaviour of these divisors and prove in the non-degenerate case a relation between their intersection numbers and Fourier coefficients of the derivative at  $s=0$  of a certain incoherent Eisenstein series for the unitary group. This is joint work with Kudla.

**event\_id:** 40483

**Calendar:** 369

terms:

- [Galois Representations and Automorphic Forms](#)