

MODULI 2007

Dates : September 3-7, 2007

Place : Faculty of Science Building # 5, Hokkaido University, Sapporo

Website : <http://coe.math.sci.hokudai.ac.jp/sympo/moduli2007/>

September 3 (Monday)

10:00-11:00 Christopher Deninger (Münster University, Germany)
Vector bundles and p -adic representations

11:15-12:15 Gerard van der Geer (University of Amsterdam, Holland)
Euler characteristics of local systems on the moduli of curves and abelian varieties of low genus

14:15-15:15 Michael Rapoport (Bonn University, Germany)
Some questions on \mathcal{G} -bundles on curves

15:30-16:30 Vikram B. Mehta (Tata Institute, India)
The Frobenius morphism and principal G -bundles on affine varieties (joint work with S.Subramanian)

September 4 (Tuesday)

10:00-11:00 Caucher Birkar (University of Cambridge, UK)
Minimal model program and moduli spaces

11:15-12:15 Shigeharu Takayama (University of Tokyo, Japan)
Boundedness of pluricanonical systems on algebraic varieties of general type

14:15-15:15 Kota Yoshioka (Kobe University, Japan)
Stability and the Fourier-Mukai transform

15:30-16:30 Shigeru Mukai (Kyoto University, Japan)
Enriques surfaces associated with bielliptic abelian surfaces

18:00-20:00 Welcome Party at Faculty House “Trillium”(Enreiso)
Anybody is welcome to the party. Please see our homepage for the details.

September 5 (Wednesday)

- 10:00-11:00** Kazuhiro Fujiwara (Nagoya University, Japan)
Galois deformation and algebraic number theory
- 11:15-12:15** Ching-Li Chai (University of Pennsylvania, USA)
Modular varieties and Hecke symmetry
- 14:15-15:15** Teruyoshi Yoshida (University of Cambridge, UK)
Hecke correspondences on Shimura varieties with semistable reduction
- 15:30-16:30** Leon Takhtajan (Stony Brook University, USA)
Eisenstein-Maass series and Chern forms on moduli spaces of curves and parabolic bundles

September 6 (Thursday)

- 10:00-11:00** Thomas Zink (Bielefeld University, Germany)
New developments in the theory of displays
- 11:15-12:15** Conjeeveram S. Rajan (Tata Institute, India)
On the irreducibility of irreducible characters of simple Lie algebras
- 14:15-15:15** Tetsushi Ito (Kyoto University, Japan)
Hasse invariants and the l -adic cohomology of unitary Shimura varieties
- 15:30-16:30** Klaus Hulek (Hannover University, Germany)
Intersection theory of divisors on compactifications of \mathcal{A}_g
- 17:00-18:00** Tea

September 7 (Friday)

- 10:00-11:00** Lin Weng (Kyushu University, Japan)
General class field theory
- 11:15-12:15** Peter Zograf (Steklov Institute, Russia)
On the geometry of moduli spaces of meromorphic functions
- 14:15-15:15** Valery Alexeev (University of Georgia, USA)
Extended Torelli map : old and new
- 15:30-16:30** Eduard Looijenga (University of Utrecht, Holland)
Invariants of certain homogeneous forms as meromorphic automorphic forms
- 17:00-18:00** Tea