SFB Colloquium

TIME:
13 Jan 2009, 16:00 - 19:00

LOCATION:
Konrad-Zuse-Zentrum für Informationstechnik Berlin
Takustrasse 7
14195 Berlin-Dahlem

PROGRAM:

16:00 - 17:00   **Jan Christophersen (Oslo, currently Mainz)**

Equivelar triangulations of tori and abelian surfaces
Triangulations of topological manifolds may be used to construct
spaces in algebraic geometry via Stanley-Reisner schemes. In this
talk I
will start with degree regular triangulations of the torus. Deforming
these surface leads to interesting
combinatorics, including a special 6 dimensional reflexive polytope
and a Calabi-Yau
3-fold with Euler number 6.

17:00 - 17:30   Coffee Break

17:30 - 18:30   **Jochen Heinloth (Amsterdam)**

Twisted loop groups and related moduli spaces
Loop groups have been very useful in the study of moduli spaces of
bundles over Riemann surfaces. We want to explain that a similar
relation exists for twisted loop groups. This came up in a series of
conjectures by Rapoport and Pappas. Their motivation to study
twisted loop groups came from arithmetic questions.

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