

## SFB-Seminar

### ZEIT:

13.1.2009, 16:00 Uhr - 19:00 Uhr

### ORT:

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

### PROGRAMM:

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 Kaffeepause

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.

### Kontakt:

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