



## SFB-Seminar

### ZEIT:

16.12.2008, 16:00 Uhr - 19:00 Uhr

### ORT:

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

### PROGRAMM:

16:00 - 17:00 **Prof. Bernard de Wit (Utrecht University)**

**BPS Black Holes, Effective Actions and the Topological String**

17:00 - 17:30 Kaffeepause

17:30 - 18:30 **Prof. Nigel Hitchin (Oxford)**

### **Skew torsion in geometry and physics**

Three-form flux appears naturally in many of the equations of string theory and supergravity. Since the work of Bismut 20 years ago it has also played a role in the differential geometry of complex manifolds. The lecture will review some of the special geometric features revealed by the presence of skew torsion and discuss its natural appearance when studying holomorphic Poisson manifolds.

### Kontakt:

Humboldt-Universität zu Berlin . Institut für Mathematik  
SFB 647 . Unter den Linden 6 . 10099 Berlin  
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727  
sfb647@math.hu-berlin.de

[www.raumzeitmaterie.de](http://www.raumzeitmaterie.de)