



## **SFB Seminar "Higgs Bundles" (Teilprojekt C3)**

### **ZEIT:**

6.1.2015, 15:30 Uhr - 18:00 Uhr

### **ORT:**

FU Berlin  
Konrad-Zuse-Zentrum für Informationstechnik, Hörsaal ZIB  
Takustr. 7  
14195 Berlin-Dahlem

### **PROGRAMM:**

15:30 - 16:30 **Prof. Dr. Victoria Hoskins**

#### **Higgs bundles as a hyperkahler analogue of vector bundles**

16:30 - 17:00 Kaffee-Pause

17:00 - 18:00 **Prof. Dr. Jochen Heinloth**

#### **On the geometry of moduli spaces of Higgs bundles on curves**

Moduli spaces of Higgs bundles possess a wealth of unusual geometric properties that made them appear in very different contexts: They are varieties that admit a natural family of different complex structures, form an integrable system, are diffeomorphic to character varieties, give a geometric description of terms appearing in the trace formula, ...

In the talk Prof. Heinloth will try to explain some of these structures and then report on some recent results and open questions on the geometry of these spaces.

### **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

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