

# Sofia - Kovalevskaya - Lecture

## Speaker



Prof. Dr. Alessandra Iozzi  
(ETH Zürich)

April 5th 2018, 4:30 pm,  
Room H6

### **Title:**

HIGHER TEICHMÜLLER THEORY AND  
GEODESIC CURRENTS

### **Abstract:**

We start by recalling features of classical Teichmüller space of a topological surface. We explain the notion of "higher Teichmüller" by introducing the notion of maximal representations and of Hitchin component and we see how some of the classical features, such as the Thurston compactification, generalize to the "higher Teichmüller" setting.

In the process we explain a structure theorem for geodesic currents. This is joint work with M. Burger, A. Parreau and B. Pozzetti.

### **Jury**

Barbara Baumeister (Bielefeld University)

Bettina Eick (TU Braunschweig)

Barbara Gentz (Bielefeld University)



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GEOMETRY AT INFINITY

Fakultät für  
Mathematik

Universität Bielefeld