

## **SEMINARIO DI GEOMETRIA**

22 Giugno 2016, h.11.45-12.45

Politecnico di Torino,  
Dipartimento di Scienze Matematiche,  
**AULA BUZANO**

**Ilia Zharkov**

(Kansas State University)

### **Tropical Homology**

Tropical varieties are certain polyhedral complexes which arise as degenerations of complex algebraic varieties. I will define a homology theory for such polyhedral complexes and show that they calculate the Hodge numbers of a general member of the degenerating family.