



SCUOLA  
NORMALE  
SUPERIORE

## **SEMINARIO DI ANALISI GEOMETRICA**

**Mercoledì 21 novembre 2018**  
ore 16:00

Scuola Normale Superiore  
Pisa  
Aula Seminari Università di Pisa

**Ruijun Wu**  
(SNS)

Terrà un seminario dal titolo

### **“Dirac-harmonic maps and "supersymmetric" nonlinear sigma models”**

***Abstract:***

In these models we deal with coupled pairs consisting of a map between manifolds and a spinorial field along this map. Originated from supersymmetric sigma models and supermanifold theory, they are recently analysed using the tools in nonlinear analysis. The Euler-Lagrangian system contains both a second order (Laplacian type) and a first order (Dirac type) elliptic equations. Some basic properties will be given as well as some example of the Dirac-harmonic maps.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze