



SCUOLA  
NORMALE  
SUPERIORE

## SEMINARIO MATEMATICA

Venerdì 3 maggio 2013  
ore 16:00

Scuola Normale Superiore  
Pisa  
Aula Mancini

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*Università di Firenze e Paris VII*

Terrà un seminario dal titolo:

### **“Derived symplectic geometry”**

**Abstract:**

*Motivated by a general program of quantization of moduli spaces, we will discuss a generalization of symplectic geometry into the world of derived algebraic geometry, show existence theorems for derived symplectic structures and draw consequences for underived moduli spaces.*

*In particular we will show that  $(-1)$ -shifted derived symplectic forms are a good replacement for symmetric obstruction theory, and briefly discuss applications to Donaldson-Thomas theory.*

*This is joint work with T. Pantev, B. Toen and M. Vaquié.*

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze