



SCUOLA  
NORMALE  
SUPERIORE

## SEMINARIO DI MATEMATICA

**Mercoledì 11 Luglio 2012**  
Ore 16.00

Scuola Normale Superiore  
Pisa  
Aula Tonelli

***Véronique Fischer***  
*Università di Padova*

Terrà un seminario dal titolo:

**“A pseudo-differential calculus on graded nilpotent Lie group”**

*Abstract:*

*Pseudo-differential operators ( $\Psi DO$ 's) are primarily defined in the familiar setting of the Euclidean space. For four decades they have been standard tools in the study of PDE's and it is natural to attempt defining PDO's in other settings. In this talk, after discussing some points in the literature on the subject, I will present recent results regarding  $\Psi DO$ 's on Lie groups as well as applications to PDE's. This will be a joint work with Michael Ruzhansky (Imperial College London).*

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze