



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI FINANZA QUANTITATIVA

mercoledì 28 marzo 2018
ore 14:00

Scuola Normale Superiore
Pisa
Aula Bianchi Scienze

Elisa Alos

(Universitat Pompeu Fabra, Barcellona)

terrà un seminario dal titolo:

“On the link between the Malliavin derivative operator and the implied volatility behaviour”

Abstract:

We use Malliavin calculus techniques to obtain an expression for the short-time behavior of the at-the-money implied volatility skew and smile, in the context of stochastic volatility models.

Our analysis does not require the volatility to be a diffusion or a Markov process. The obtained results will give us a tool to construct new models that can allow us to explain the empirical term structure of the implied volatility surface (joint works with J. León and J. Vives).

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze