



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Martedì 24 novembre 2015
ore 15:00

Scuola Normale Superiore
Pisa
Aula Mancini

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Terrà un seminario dal titolo:

“ Collective dynamics in networks of oscillators”

Abstract:

Coupled (neural) oscillators may give rise to a very complex collective dynamics where an irregular microscopic behavior of the single units is accompanied by a macroscopic structured dynamics. This may even happen in setups where the microscopic dynamics is linearly stable (negative Lyapunov exponents). These results show how complex can the connection between different scales be and challenge the approaches typically invoked to derive mean field equations.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali