



UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE MATEMATICHE, FISICHE E INFORMATICHE

<http://smfi.unipr.it>

SEMINARIO

Seminari di Matematica Applicata



Dott. **Marco Menale**,

Università degli Studi di Napoli Federico II

Giovedì 21 novembre ore 11.00

Aula D, Plesso di Matematica

**Titolo: Kinetic modeling approach for interacting systems:
from ecology to polarization**

Abstract: Since the Covid-19 pandemic, interest in complex interacting systems has been significantly growing within the scientific community. For this aim, various kinetic theory frameworks have been developed over recent years, for modeling these phenomena and their impacts. The mathematical and applied aspects of these frameworks are in continuous interplay. In this talk, I will present some recent result about kinetic models involving both conservative and nonconservative interactions, as well as the effects of an external force field acting on the whole system. This additional term has implications for both theoretical understanding and practical applications.

Organizzatore: prof. Maria Groppi