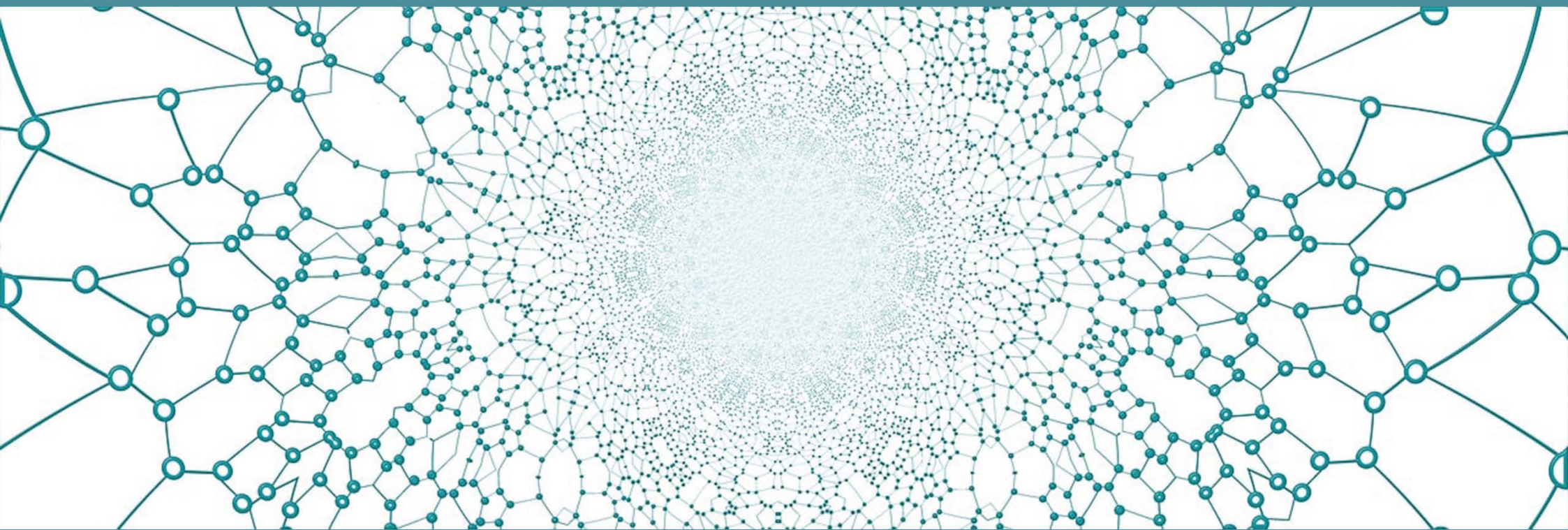




UNIVERSITÀ
DEGLI STUDI
DI ENNA "KORE"

**Dottorato di Ricerca in
"Scienze economiche, aziendali e giuridiche" XXXVII ciclo**

BIG DATA & NETWORKS IN FINANCE, INSURANCE, AND SOCIAL SCIENCES



15

SEMINARIO

Giugno 2023

ore 10.00 - Aula 28

**PROF. MICHELE TUMMINELLO,
UNIVERSITÀ DEGLI STUDI DI PALERMO**

Abstract: Information and communication technologies allow storing big mole of data in very efficient and cost-effective data warehouses. This is also possible by consolidating and integrating data with different levels of heterogeneity and from a variety of sources. Systems monitored in this way are usually complex systems, where scale invariance, heterogeneity of elements, self-adaptivity, and the presence of random interactions might hide to the observer the structural properties of the system. Network theory might help to provide a simple, adaptive, and powerful mathematical framework to describe the structure and evolution of complex systems in finance, insurance, and the social sciences.

The aim of the meeting is to provide an overview on the challenges and issues Big Data imply, and, through real-world examples, how networks provide an effective framework to analyze Big Data.

Program:

- Intro su Big data
- Real-world examples:
 - 1) Euroclear.
 - 2) IVASS antifrode.
 - 3) Famiglie - dati istat spese.