UNIVERSITÀ DEGLI STUDI DI PADOVA

DIPARTIMENTO DI SCIENZE STATISTICHE

Dipartimento di eccellenza 2018-2022

广州大学
GUANGZHOU UNIVERSITY

Fondazione
Cassa di Risparmio
di Padova e Rovigo

PhD Course in Statistics
Cycle XXXV Opening

October 18, 2019

Padova | Dept. of Statistical Sciences | Room SC 140

Course Coordinator
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http://phd.stat.unipd.it

The PhD Course in Statistics welcomes the new PhD students, starting their doctoral program in October 2019.

PROGRAMME

15:30 | Welcome
Giovanna Boccuzzo
Head of the Department
of Statistical Sciences,
University of Padova

Massimiliano Caporin
Coordinator of the PhD Course
in Statistics, University of
Padova

16 | Invited lecture
Ernst Wit
Institute for Computational
Science, Università della
Svizzera italiana

17.00 | 3 Minute Thesis Competition - cycle XXXII
Host: Margherita Silan, Doctor of Philosophy, XXXI cycle
Jury: Mariangela Guidolin, Antonio Canale, Alberto Roverato, Erlis Ruli, Maria LetiziaTanturri

18.00 | Cocktail
Room "O. Cucconi"

Invited lecture | *Network Science as a Paradigm for Modern Statistics*

Society and industry have started to consider network processes that are larger and more complex than ever before. Large consumer companies hold a trove of data about the linked spending patterns of its consumers. Mobility providers, from airlines to rental car companies, deal daily with optimization of stochastic logistical network problems. Prediction problems such as credit risk in finance, drug targets in biotech and efficiency in health care involve large networks, loosely defining the field of study of Statistical Network Science. The richness of the underlying network processes, the size of the data, the complexity of the network models and the computationally demanding nature of the inference procedures all mean that Statistical Network Science has become a paradigm for modern statistics, spanning from Big Data to high-dimensional inference. In this talk, I will give an overview of the field of Statistical Network Science, showing how it involves social network analysis, causal inference, viral events such as infectious diseases, but also the diversification of animal and plant species.