

16 - 20 January
2023

SCHOOL

Aula Dini
Via del Castelletto
Scuola Normale Superiore
PISA

INFO
Centro di Ricerca Matematica
Ennio De Giorgi
Palazzo Puteano
Piazza dei Cavalieri, 3 - PISA
crm@sns.it

THE MATHEMATICS OF MACHINE LEARNING

The introductory school and associated workshop are organized following previous activities within the framework of the Dipartimenti di Eccellenza "Classe di Scienze". The spirit of these activities are related to that of the school: Mathematical and Computational Aspects of Machine Learning organized at Centro De Giorgi in October 2019.

The plan of both the school and the workshop is to bring together Machine Learning researchers working on theoretical questions at the interface between mathematics and computer science.

The speakers will introduce the mathematical foundations of Machine Learning, discuss the current state of the art but also highlight future research directions and open problems.

The lectures will target a broad audience of early stage mathematicians (Ph.D and advanced Master level). In particular, the introductory week will focus on master level courses introducing the mathematical basis of machine learning. The prerequisites will be master level courses in probability, calculus and linear algebra.

ORGANIZERS:

SIMONE DI MARINO Università di Genova

AUGUSTO GEROLIN University of Ottawa

SILVIA VILLA Università di Genova

SPEAKERS:

ERNESTO DE VITO Università di Genova

SIMONE DI MARINO Università di Genova

AUGUSTO GEROLIN University of Ottawa

SAVERIO SALZO Università La Sapienza

SILVIA VILLA Università di Genova

WEB SITE: <http://www.crm.sns.it/event/505/>



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