PhD²ays

December 9 - 11, 2020

PhD²ays is a series of events aiming to open a window on the world of PhD. It is addressed mainly to **undergraduate and graduate students** to discover the advanced research in mathematics, and also to PhD students to see what their colleagues are working on.

PhD²ays 2020 will take place as a **virtual conference**

- Zoom link: https://us02web.zoom.us/j/82044279361.
- Abstracts & more info: https://phd2ays.bubbleapps.io.

Participation is free.

DOTTORATO IN SCIENZE MATEMATICHE
Coordinatore: Prof. Vieri Mastropietro   E-mail: vieri.mastropietro@unimi.it

PhD²ays

Wednesday, December 9, 2020

15:00 FILIPA VALDEIRA   Learning from 3D data: how mathematics can create a realistic human face

15:50 BEATRICE LANGELLA   Periodic Schrödinger operators: a normal form approach

16:40 FRANCESCA GUFFANTI   Categorical logic: an introduction to doctrines

17:30 RICCARDO ZUFFETTI   Cones of orthogonal Shimura subvarieties

Thursday, December 10, 2020

15:00 YANYAN GUO   A coupled elliptic system of equations in different dimensions

15:50 ALESSANDRO GIANOLA   Automated reasoning or: how mathematicians will learn to stop worrying and love computers

16:40 ALESSANDRO DOLDI   Entropy martingale optimal transport

Friday, December 11, 2020

15:00 SIMONE NOVARIO   Linear systems on IHS varieties: an introduction

15:50 EMMANUEL ZONGO   Nonlinear eigenvalue problems and application to bifurcation for quasi-linear operators

16:40 FEDERICO GIROTTI   Quantum channels: recurrence, transience and enclosures

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