



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 6077

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Fisica**

Scientist- in - charge: **prof. Enrico Prati**

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Monzani
Name	Francesco

PRESENT OCCUPATION

Appointment	Structure
Doctoral student	Dipartimento di Matematica, UNIMI

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Master degree	Matematica	Università di Padova	2020

PRESENT OCCUPATION

Language	Level
English	C1
Spanish	B1

STAGES

Year	Description
2023	Institution: Dipartimento di Fisica, UNIMI Host: prof. Enrico Prati Activity: research on quantum computing, quantum algorithms and mathematical formalisation of neural networks Period: 18-22 April 2022



2022	Institution: Dipartimento di Matematica e Fisica, Univ. Roma 3 Host: prof.ssa Michela Procesi Activity: research on infinite dimensional dynamical systems Period: 18-22 April 2022
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WORKSHOPS AND SCHOOLS

Date	Title	Place
November 2023	Brainstorming day: open problems in quantum machine learning	UNIMI, Milano
July 2023	Wave Turbulence Summer school	Simon foundation, MIT, Cambridge
July 2023	School on interaction between dynamical systems and partial differential equations	Centro de Recerca Matematica, Barcellona
May 2022	Hamiltonian and dispersive PDE's	Roma
July 2022	Wave Turbulence Summer school	Simon foundation, Torino
December 201	Quantum before Christmas	UNIMI, Milano
July 2021	Wave Turbulence Summer school	Simon foundation, Paris (remote)

CONFERENCES

Date	Title	Place
Padua 2023	New Frontiers of Celestial Mechanics: theory and applications	UNIPD, Padova
September 2022	Hamiltonian and dispersive PDE's	Pisa
June 2022	Normal form and splitting methods	Portnichet, France
June 2022	Ypatia	Cnrs-Indam, Roma
May 2022	UMI Phd meeting	UNIPD, Padova

SCIENTIFIC COMPETITIONS

Date	Title	Place
March - April 2023	ECMI 2023 Student Competition	UNIMI, Milano
September 2021	Kelvins - ESA's Advanced Concepts Competitions. Stardust-R Andrea Milani Challenge	Remote



POSTERS AND TALKS

Date	Title	Place
July 2023	Almost global existence for semilinear PDE's on higher dimensional domains. Poster	School on interaction between dynamical systems and partial differential equations. Centro de Recerca Matematica
June 2022	Reducibility on higher dimensional domains. Short talk	Normal form and splitting method, Portnichet

CONFERENCES ORGANISATION

Date	Title	Place
December 2023	PhD ² Days	UNIMI, Milano

PROJECT ACTIVITY

Year	Project
2021-2023	Member of the PRIN project "Hamiltonian and dispersive PDE's"

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2023	Travel grant. Description: travel and accomodation refund for the "Summer School on Wave Turbulence", MIT, Cambridge
2023	Travel grant. Description: free accomodation and registration for the "School on interaction between dynamical systems and partial differential equations", Centro de Recerca Matematica, Barcellona}
2021	Second place at Kelvins - ESA's Advanced Concepts Competitions, Stardust-R Andrea Milani Challenge

REVIEW ACTIVITY

Reviewer for the Journal of Mathematical Analysis and Applications
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MEMBERSHIP

Member of the Gruppo Nazionale di Fisica Matematica (GNFM)
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TEACHING

Years	Activity	Place
2022-2023	Tutor for the course Matematica Generale. 24 hrs	Dipartimento di Biologia, UNIMI
2022-2023	Laboratory class for the course Mathematical Models in Biology. 10 hrs	Dipartimento di Biologia, UNIMI



2021-2022	Tutor for the course Matematica Generale. 20 hrs	Dipartimento di Biologia, UNIMI
2021-2022	Laboratory class for the course Mathematical Models in Biology. 10 hrs	Dipartimento di Biologia, UNIMI

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Place and date: Milano, 9/12/2023