

# UNIVERSITA' DEGLI STUDI DI GENOVA

AREA RICERCA, TRASFERIMENTO TECNOLOGICO E TERZA MISSIONE  
SERVIZIO RICERCA

D.R. n. 454

## IL RETTORE

- Visto il Decreto Rettorale n. 5746 del 28/12/2022, con il quale è stato indetto il concorso, per titoli e colloquio, per il conferimento di n. 1 borsa di ricerca post- laurea di tipo starting della durata di 8 mesi, eventualmente rinnovabile, dell'importo di € 10.832,00 (diecimilaottocentotrentadue/00), per lo svolgimento di una ricerca sul tema: "Modellazione morfodinamica del Fiume Po per l'aggiornamento del programma di gestione dei sedimenti", presso il DICCA dell'Università degli Studi di Genova;
- Visto il Decreto Rettorale n. 205 del 20/01/2023 con il quale è stata costituita la Commissione giudicatrice per il conferimento della suddetta borsa di ricerca;
- Visto il verbale della Commissione giudicatrice del concorso in parola, riunitasi in data 26/01/2023;
- Constatata la regolarità della procedura seguita.

## DECRETA

### Art. 1

Sono approvati gli atti del concorso di cui in premessa e la seguente graduatoria di merito:

1 . Dott.re Ludovico Agostini punti 85/100

Sotto condizione dell'accertamento dei requisiti di cui al bando, è dichiarato vincitore del concorso in parola il Dott.re Ludovico Agostini.

Genova, 02.02.2023

IL RETTORE

Responsabile del procedimento: Monica Buffa  
Area Ricerca, Trasferimento Tecnologico e Terza Missione  
Servizio Ricerca

Firmato digitalmente da:  
**FEDERICO DELFINO**  
Università degli Studi di Genova  
Firmato il: 30-01-2023 15:30:25  
Seriale certificato: 818306  
Valido dal 03-11-2020 al 03-11-2023



## Ludovico Agostini

Date of birth: / / Nationality: Gender: | Phone

number: | Email address:

| Email address:

LinkedIn:

Address:

### WORK EXPERIENCE

24/08/2022 – 24/01/2023 Trento, Italy

**UNIVERSITY POST-GRADUATE RESEARCHER** UNIVERSITY OF TRENTO

The research project '*Alteration of flow and sediment regime induced by large derivations and morphodynamical trajectories*' lays within a long term research program between Trento University and the Trentino province energy agency (APRIE).

In this project I currently research sediment connectivity, production and its long term variation due to dam construction. The study concerns in situ sampling, connectivity numerical modelling through CASCADE toolbox and SedInConnect as well as hydrological analysis on historical datasets.

09/2021 – 06/2022 Trento, Italy

**STUDENTS ASSISTANT** UNIVERSITY OF TRENTO

Student assistant in:

- Linear Algebra and Geometry
- Statistic, Algorithms and Programming
- Physics

### EDUCATION AND TRAINING

09/2019 – 06/2022 Trento, Italy

**M.SC. IN ENVIRONMENTAL ENGINEERING** University of Trento

A coupled morphodynamic model has been developed in Matlab to describe width and bed elevation response to changing boundary and initial water and sediment discharge conditions. The results have been studied with regard of time scale evolution ratio  $R_T$  between bed and banks, confronted with the existing literature model and with real data from four U.S. dams. Eventually the solution linear stability has been analyzed revealing complex evolutionary trajectories.

Address Via Calepina, 14, Trento, Italy | Website <https://www.unitn.it/> | Field of study Land and Civil Protection |

Final grade 109/110 | Thesis River characteristic cross section response to guiding variables alteration

09/2016 – 09/2019 Trento, Italy

**B.SC. IN ENVIRONMENTAL ENGINEERING** University of Trento

Address Via Calepina, 14, Trento, Italy | Website <https://www.unitn.it/> |

Field of study Environmental Engineering - Methodological curriculum | Final grade 109/110 |

Thesis Landslide Hydrology

01/2019 – 06/2019 Glasgow, United Kingdom  
**ERASMUS PLUS** University of Strathclyde

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**Address** 16 Richmond Street, Glasgow, United Kingdom | **Website** <https://www.strath.ac.uk/>

09/2011 – 07/2016 Treviso, Italy  
**HIGH SCHOOL DIPLOMA: SCIENTIFIC LYCEUM** Liceo Scientifico Statale "Leonardo Da Vinci"

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**Address** Viale Europa, 32, Treviso, Italy | **Website** <https://www.liceodavinci.tv/sitoLiceo/> | **Final grade** 100/100

08/2014 – 06/2015 Durham, United States  
**EXCHANGE PROGRAM** Oyster River High School

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Year long experience living with a host family living in New Hampshire, USA. I attended local Oyster River High School as a senior and volunteered at Churchill Rink at Jackson's Landing, Durham.

**Address** 55 Coe Drive, Durham, United States | **Website** <https://orhs.orcsd.org/>

## ● **DIGITAL SKILLS**

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Programming languages

Python | Matlab

Hydraulic modeling

BASEMENT | HEC RAS

Hydrological modeling

ERM | HortonMachine-Peakflow | SWMM

Sediment connectivity modeling

CASCADE toolbox | SedInConnect

Geotechnical modeling

PLAXIS 2D

Cartography and data visualisation

QGIS

Other relevant softwares

AUTOCAD | Microsoft Excel and PowerPoint

## ● **LANGUAGE SKILLS**

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C2	C1	C2	C1
<b>FRENCH</b>	A1	A2	A2	A2	A1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

● **ADDITIONAL INFORMATION**

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**CONFERENCES AND SEMINARS**

06/2021 - Mincio river

Stage AIPO Week long stage experience on river Mincio basin. The project involved measuring and calculating

depth-discharge relation for various hydraulic structures like hydro power plants and agricultural derivation

10/2020 - Polytechnic University of Turin

**Rockfall protection techniques**


10/2019 - Trento University

**Modern data-based and complex systems approaches to problems in the environmental sciences** Course held by Professor Henk Dijkstra from Utrecht University. The class provided basic theory and application of network science and deep learning techniques.

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*All the information in the present curriculum vitae is provided pursuant to and for the effects of DPR 445/2000, artt. 46 and 47*

Trento, , 20/12/2022



Ludovico Agostini