Curriculum Vitae

Personal Information

Name	Cesare Angeli
Date of Birth	August 20th, 1996
Place of Birth	Faenza (RA), Italy
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Presentation

At the moment I am a PhD student at University of Bologna (36th cycle), program in *Future Earth, Climate Change and Societal Challenges*. My scholarship is about Solid Earth Geophysics, which deals with the physical aspects of processes acting on the solid part of the Earth's surface and interior part, both by modelling and experimental techniques. Currently, my studies deals with the phenomenology and modelling of tsunami waves, giving particular attention on analytical and semi-analytical solutions for their impact on the coastal environment and the analysis of tsunami time series from tide gauges and ocean-bottom pressure gauges.

Education

Oct 2020 – Present **PhD in Future Earth, Climate Change and Societal Challenges (36th cycle).**
Scholarship funded by the Department of Physics and Astronomy. Research theme: Solid Earth Geophysics.
My research is about the modeling of tsunami events, both through simulations and theoretical considerations. Particular attention is given to (semi-)analytical solutions to model the impact of tsunami waves in coastal environments and to the analysis of tide gauges and ocean-bottom pressure gauges time series through data-driven methods.

Sep 2018 – Oct 2020 **Master Degree in Physics of the Earth System**
University of Bologna, *Italy*
Thesis Work: *Analytical solutions for the run-up of long water waves excited by time-independent and time-dependent forcing.* Analytical solutions for the run-up of long waves is derived. It is shown that the initial value problem gives equivalent results both in the nonlinear and linear approaches. A dynamical forcing is then added to the linear model to study simple cases of earthquake- and landslide-induced tsunamis.
Grade: 110/110 cum laude

Sep 2015 – Oct 2018 **Bachelor Degree in Fisica (*Physics*)**
University of Bologna, *Italy*
Thesis Title: *La Magnetoidrodinamica e il Flusso di Hartmann.* A model for the dynamics of a conducting fluid between parallel walls is derived and the interaction between the fluid and an external magnetic field is studied. From there, qualitative considerations about the principal geomagnetic field are derived.
Grade: 109/110

Sep 2010 – Jul 2015 **High School leaving qualification in scientific studies**
Liceo Scientifico Fulciero Paulucci de Calboli, *Forlì (FC)*
Grade 100/100

Sep 2010 – Present **Istituto Musicale Angelo Masini** (previously **Liceo Musicale Angelo Masini**). Enrolled as a piano student. In this field, I took some of the exams in the preacademic studies for said instrument as an external candidate, in particular Teoria e Solfeggio (Musical Theory and Reading), Storia della Musica (Music History), Armonia Complementare (Harmonic Theory) and A-level Piano Certifications at Istituto Musicale Pareggiato G. Lettimi (Rimini) and B-level Piano Certification at Conservatorio G. Rossini (Pesaro).

Related Activities

Jun 2022 Participation in GNGTS general assembly in Trieste.

Apr 2021 Partecipation in vEGU 2021, the annual meeting of the European Geoscience Union.

Dec 2019 Participation in a music Master Class organized by the MUSE project, at *Conservatorio Oficial de Música "Hermanos Berzosa" in Cáceres (Spain)*.

Technical skills

Programming Languages: C, C++, Python, Fortran, *Basic knowledge*
Matlab, GNU Octave, Julia, *Intermediate knowledge*

Document Editing: Office and LibreOffice suites, *Intermediate knowledge*
LaTeX, *Intermediate Knowledge*

Operating Systems: Linux and Windows, *Basic Knowledge*

Personal skills

High level in communication skills

Sociable and proactive

Language ability

Italian: Native Speaker

English: Cambridge B2 Level