

Claudio Pierard

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EDUCATION

- Université Grenoble Alpes** 2019 - 2020
Master 2 Environmental Fluid Mechanics.
Thesis: Abyssal turbulence in the vicinity of Lucky Strike. (In progress)
- Université Grenoble Alpes** 2018 - 2019
Master 1 Applied Mechanics.
Thesis: Measurements of Turbulence in Katabatic Winds on a Steep Slope.
- National Autonomous University of Mexico (UNAM)** 2011 - 2017
B.Sc. Physics.
Thesis: Ventilation Coefficients in the Valley of Mexico.

RESEARCH EXPERIENCE

- Laboratoire d'Océanographie Physique et Spatiale** February 2020 - September 2020
Master 2 research internship.
Project: Abyssal turbulence in the vicinity of Lucky Strike.
Supervisors: Pr. Guillaume Rouillet and Dr. Jonathan Gula.
- Institut des Géosciences de l'Environnement** November 2018 - May 2019
Master 1 research internship.
Project: Measurement of turbulence in katabatic winds over a steep alpine slope.
Supervisor: Dr. Jean-Emmanuel Sicart.
- Center for Atmospheric Sciences, UNAM** July 2017 - August 2018
Undergraduate Research Assistant, Ocean-Atmosphere Interaction group.
Project: Development of an operational forecast system for extreme events using numerical models to predict meteorological conditions, waves and storm tides.
Supervisor: Dr. Jorge Zavala Hidalgo.
- Center for Atmospheric Sciences, UNAM** April 2017 - November 2017
Undergraduate Research Assistant, Laboratory of Geophysical Fluids.
Project: Numerical simulations of convection in a stratified fluid using the open source framework Dedalus.
Supervisor: Dr. Angel Ruiz-Angulo.
- CICESE** 19 - 22 November 2017
Assistant, Glider deployment in the Gulf of Mexico.
Project: Oceanographic Monitoring Group with Gliders (GMOG).
Supervisor: Dr. Angel Ruiz-Angulo.

AWARDS

- Make Our Planet Great Again Laureate** 2018 - 2020
Master's Excellence Grant for Climate Science and Research.

CONFERENCES

Annual Reunion of the Mexican Geophysical Union November 2017
Study of the Planetary Boundary Layer over Mexico City during the inversion layers period (Poster).
A. Burgos, C. Pierard, J. García, A. Ruiz-Angulo, M. Grutter, A. Bezanilla.

WORKSHOPS

Bad Honnef Physics School on Physics of the Ocean July 2020*
Deutsche Physikalische Gesellschaft – Bad Honnef, Germany.
*Might be cancelled due to COVID-19.

Marine Master's Summer School July 2019
Royal Netherlands Institute for Sea Research (NIOZ) – Texel, Netherlands.
Project: Tidal Dynamics of the Marsdiep Channel.

Summer School in Atmospheric Sciences June 2017
UNAM – Juriquilla, Mexico.

JuliaCon 2016 (attendee) June 2016
MIT – Cambridge, MA.

COURSES & CERTIFICATIONS

Online Courses

- **Nonlinear Dynamics: Mathematical and Computational Approaches**
Santa Fe Institute. Complexity Explorer (December 2016).
- **12.340x: Global Warming Science**
MITx. edX (May 2016).
- **ChM003x: Sensing Planet Earth – from Core to Outer Space**
Chalmers University of Technology. edX (March 2016).
- **Monitoring Climate from Space**
European Space Agency. FutureLearn (January 2016).
- **Causes of Climate Change**
University of Bergen. FutureLearn (October 2015).

English Certifications

- **IELTS (British Council).** *Score: 7/9 (November 2019).*
- **TOEFL iBT (ETS).** *Score: 99/120 (March 2018).*

SKILLS

Languages Spanish (native).
French (fluent).
English (fluent).
Dutch (beginner).

Programming Languages PYTHON, JULIA, GIT, BASH, L^AT_EX.