

# Tilemachos Bolioudakis

PhD Candidate

Lithri 8  
14671 Athens  
Greece

+30 6976756952  
+1 6072623211  
tb424@cornell.edu



## Education

- 2021–present **PhD**, *Cornell University*, Civil & Environmental Engineering, Environmental C.F.D.
- 2019–2021 **M.Sc. in Environmental Fluid Mechanics and Hydrology**, *Cornell University*
- 2019–2021 **M.Sc. in Oceanography and Management of the Marine Environment**, *National and Kapodistrian University of Athens*  
**Thesis**, <https://pergamos.lib.uoa.gr/uoa/dl/frontend/el/browse/2949177>
- 2012–2019 **B.Sc. in Physics**, *National and Kapodistrian University of Athens*, Section of Environmental Physics and Meteorology  
**Thesis**, <https://pergamos.lib.uoa.gr/uoa/dl/frontend/el/browse/2880052>

## Experience

- 01/2023 - present **Teaching Assistant**, *Fluid Mechanics (3310 - Fall) - Engineering Computation (3200 - Spring)*, Civil & Environmental Engineering, Cornell University
- 08–12/2022 **Graduate Research Assistant**, *Civil & Environmental Engineering*, Cornell University
- 07–11/2020 **Volunteer**, *Youth Directorate*, Ministry of Education / Religious Affairs, Hellenic Republic

## Awards

- 05–08/2022 **DeFrees Fellowship**, *Civil & Environmental Engineering*, Cornell University
- 2022 **Gerondelis Foundation Scholarship**, *Graduate Study Scholarship Program*, Gerondelis Foundation Inc., Lynn, MA, United States
- 2021 **Cornell University Fellowship**, *Academic Year 2021–2022*
- 2020 **Scholarship for M.Sc. Tuition Fees**, *Based on academic achievements*, National and Kapodistrian University of Athens

## Invited Talks / Conference Presentations

- 07/2024 **Interinstitutional Postgraduate Program NKUA-HCMR**, *Pathways to turbulence formation in high amplitude internal solitary waves of depression shoaling over gentle slopes*, Dep. of Physics, Athens, Greece, Announcement link
- 02/2024 **American Geophysical Union**, *Ocean Sciences Meeting*, New Orleans, Louisiana, USA, Poster <https://agu.confex.com/agu/OSM24/meetingapp.cgi/Person/1469507>
- 11/2023 **American Physical Society**, *76th Annual Meeting of the Division of Fluid Dynamics*, Washington, D.C., USA, <https://meetings.aps.org/Meeting/DFD23/Session/T44>
- 11/2022 **American Physical Society**, *75th Annual Meeting of the Division of Fluid Dynamics*, Indianapolis, Indiana, USA, <https://meetings.aps.org/Meeting/DFD22/Session/L27.2>
- 08/2022 **9th International Symposium on Stratified Flows**, *Cambridge, UK*, Poster <https://www.damtp.cam.ac.uk/events/issf2022/>

## Additional Training

- 05/2024 **Fluid Dynamics of Sustainability and the Environment**, *Summer School*, Ecole Polytechnique, Paris, France, <http://fdse.org>

12/2020 **GRNET PRACE Training Center**, *Efficient Use of HPC Systems*  
11/2020 **GRNET PRACE Training Center**, *Introduction to Parallel Programming*  
10/2018 **Hellenic Physics Union Summer School**, *Aegina, Greece*  
07/2018 **25th summer school-conference. Dynamical systems and complexity**, *NCSR Demokritos, Athens, Greece*

## Languages

English British Council IELTS (grade 7.0 of 9)  
Greek Native Language

05/2019

## Computer skills

Software Matlab, TecPlot, VisIt,  $\text{\LaTeX}$  MsOffice, ArcGIS  
Programming Fortran, R, Python