



# Summer School: Fluid Dynamics

July 17, 2023 - July 21, 2023

## Organizers

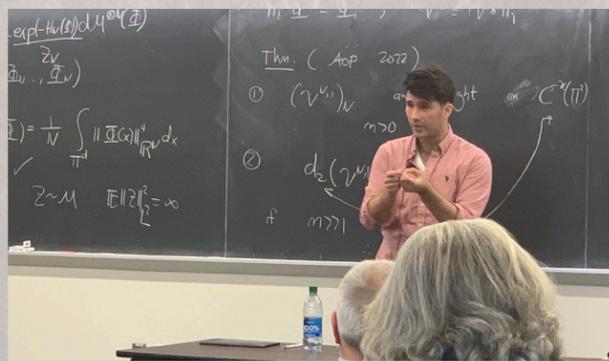
Hussain Ibdah, University of Maryland  
Huy Nguyen, University of Maryland

## Speakers

Peter Constantin, Princeton University  
Diego Cordoba, ICMAT

Tarek Elgindi, Duke University  
Toan Nguyen, Penn State University

The purpose of this summer school is to offer graduate students and young researchers a number of crash courses related to the analysis of a certain class of PDEs arising in fluid mechanics. Lectures will be given by world-renowned experts in the field, who will give a 4 lecture series over the course of one week, talking about state-of-the-art tools and highlighting the main ideas used in recent developments in fundamental PDEs of fluid mechanics. In particular, ideas used in analyzing models such as incompressible Euler, Navier-Stokes, and various active scalars will be overviewed. In addition, the summer school will include a mini-symposium, where participants will be encouraged to speak about their own research.



Application Deadline for Best Consideration  
March 20, 2023

<https://www.mathprograms.org/db/programs/1402>

