



Professor Filippo Coletti

«If you want to pursue a career in research, you'll have to learn everything there is to know about your field, and then question it all.»

Experimental Fluid Dynamics

Institute of Fluid Dynamics

In our lab, we see the world as flowing matter. We design experiments that capture the fundamental dynamics of a vast array of fluid flows - from blood stream to industrial reactors, from aerosol transport to atmospheric precipitation. The common theme is the coexistence of multiple phases interacting over a wide range of scales. Our objective is to transfer these findings into solutions that bring advances in health, energy, and the environment.

Focus

- Particle-laden fluids
- Turbulence
- Natural and biological flows
- High-speed and medical imaging

Teaching

Because we use fluid dynamics as a lens to understand different problems, we join forces with world experts in multiple disciplines. This creates a fertile environment for students to discover their true passion.

Further details online:

www.ifd.ethz.ch/research/group-coletti

