

Fluid Dynamics of Sustainability and the Environment Summer School



Department of Applied Mathematics
and Theoretical Physics



Laboratoire d'Hydrodynamique
et Laboratoire de Météorologie



Venue: Centre for Mathematical Sciences, Cambridge, UK

9 – 21 September 2012

The summer school is designed for PhD students and those in early stages of their research career. The residential school, held over two weeks, will consist of

Lecture courses

Six pedagogical courses covering the fluid dynamics relevant to sustainability and the environment

Laboratory experiments

Project-based investigations of fluid flows

Guest lectures

State of the art on advanced topics

Computational projects

Numerical simulations of fluid flows

Lecture courses

Fundamentals of fluid mechanics
Fluid dynamics of the environment
Circulation and climate
Instabilities and transfers
Energy, the environment and sustainability
Biological fluid dynamics

Lecturers

Colm-cille Caulfield	Caroline Muller
Jean-Marc Chomaz	Jerome Neufeld
Stuart Dalziel	Riwal Plougonven
Ray Goldstein	John Taylor
Lutz Lesshafft	Andy Woods
Paul Linden	Grae Worster
John Lister	Vladimir Zeitlin

Applications

To apply please send a cv, a brief statement of interest (at most one page) and two academic references to Ms Doris Allen (pavhsec@damtp.cam.ac.uk) from whom further information can be obtained.

Closing date March 16, 2012. Successful applicants will be informed by April 20, 2012.

Housing and fee

Full board and lodging will be provided at [Churchill College](#), which is adjacent to CMS. The cost for the school and lodging is £2000. Bursaries may be available and should be requested with the application.