



University of Crete  
Department of Physics

## *Physics Colloquium*

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Thursday, 18 December 2025 | 17:00 – 18:00, Seminar Room 3<sup>rd</sup> Floor

### **A turbulent world**

**Dr. Alexandros Alexakis**

*Laboratoire de Physique de l'Ecole Normale Supérieure (LPENS), Paris*

### **ABSTRACT**

For over hundred years the problem of turbulence remains an unsolved puzzle that has troubled some of the brightest physicists and mathematicians of last century. In this talk I will try to describe to a general physics audience what is the turbulence problem and how it has evolved through the years. I will explain in simple terms why it is so hard to solve and how it has contributed in shaping contemporary mathematics and statistical physics. I will further describe advances made the recent years as well as new directions and new puzzles that have risen in the last decades.