

Two-year post-doc position at Laboratoire FAST at Université Paris-Saclay (starting between september 2020 and january 2021)

This post-doc is funded by the Simons foundation in the framework of the Simons Collaboration on Wave Turbulence: <https://cims.nyu.edu/wave-turbulence/>

SIMONS FOUNDATION

Turbulence and inertial waves in rotating fluids

The post-doctoral fellow will have to develop and run an experimental setup aiming at forcing a turbulent flow under rotation in a regime of inertial wave turbulence.

The project will consist in exploring experimentally the regimes of wave-vortex coexistence in rotating turbulence. Experiments will be conducted on the rotating platform of FAST laboratory in Orsay, which is able to carry velocimetry systems using several cameras. Beside the development and realization of experiments, the post-doc will be fully involved in the data analysis and in their comparison to theoretical formalism.

Candidates should have received a high-level academic training in statistical and non-linear physics and/or in fluid dynamics. They should have obtained a PhD in experimental or theoretical physics, preferentially in the field of fluid dynamics.

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Laboratoire FAST

FLUIDES, AUTOMATIQUE et SYSTÈMES THERMIQUES

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