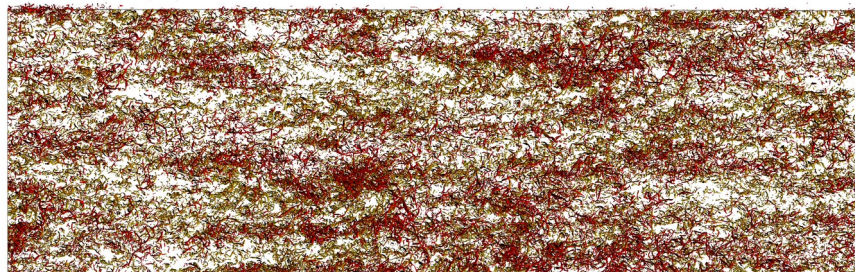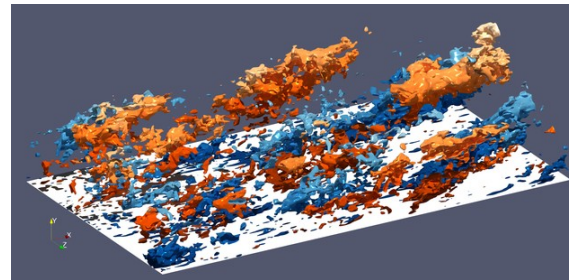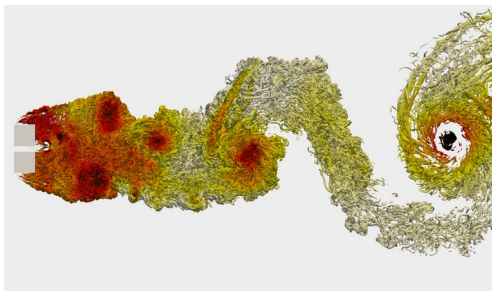# High Performance Computing Research Engineer

ERC NoStaHo

NON-STATIONARY NON-HOMOGENEOUS TURBULENCE

Position:

The LMFL is looking to recruit a High-Performance Computing Research Engineer in the field of Fluid Mechanics. In a first stage, the position will be attached to the NoStaHo ERC project on turbulence modeling. The main objective of NoStaHo is to understand and develop a theory of non-stationary and/or non-homogeneous turbulence, and then to propose a roadmap for turbulent flow prediction methods. The NoStaHo project includes both experimental and numerical activities. In this project, the person recruited will be in charge of maintaining and adapting OpenSource numerical simulation codes for turbulent flows, developing specific codes for the analysis of very large databases, evolving the codes and optimizing them for different supercomputer architectures. He/she will also be responsible for scientific monitoring, advising and training project members in high-performance computing.

Applications are now invited for one 2.5-year position. The selected candidate will participate in a wide team effort involving a number of post-doctoral researchers and PhD students supported by ERC Advanced Grant NoStaHo and led by J.C. Vassilicos at the Laboratoire de Mécanique des Fluides de Lillle (LMFL) in France.

Laboratory: (http://lmfl.cnrs.fr/)

Laboratoire de Mécanique des Fluides de Lille – Kampé de Fériet (LMFL) is a joint laboratory between: ONERA, CNRS, Centrale Lille, University of Lille, Ecole Nationale Supérieure d'Arts et Métiers (ENSAM), where 30 permanent researchers and engineers work in the fields of turbulence,

aerodynamics and flight physics. The LMFL is a regular user of National or European computing infrastructures and own a large database of turbulent flows.

Candidate:

The applicants should have Enginneer, Master or Doctoral degree in Fluid Mechanics or Computing Science and a first experience in High Performance Computing and code development. Candidates should apply through the [CNRS portal](). The position is scheduled to open on September 1st.

Contacts:

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