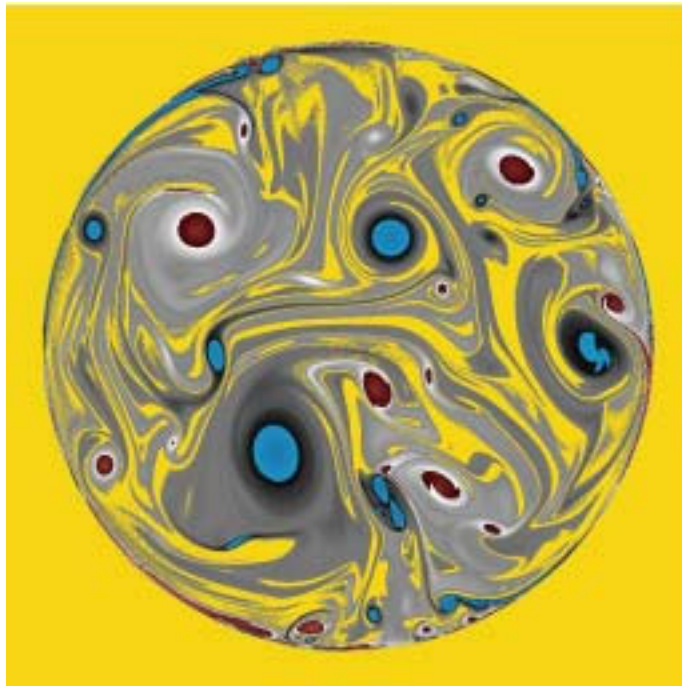


ANR* Program : M²TFP

Multiscale methods for analyzing and computing fluid and plasma turbulence :
Applications to magnetically confined plasmas in fusion devices.

The aim of the projet is the development and validation of efficient multiscale methods to compute turbulent flows in tokamaks, in particular for ITER. Wavelet-based analysis tools will be developed and applied to experimental data (measured in the tokamak Tore-Supra, CEA-Euratom, Cadarache) and numerical data from computer simulations. The results thus obtained will guide the development of new self-adaptive numerical methods for high performance computing.



4 Postdoctoral fellowships in France:

- 1 at the CNRS laboratoy MSNM, located in Marseille
- 1 at the CNRS laboratory LPIIM, located in Marseille
- 1 at Ecole Normale Supérieure, located in Paris
- 1 at CEA/Euratom, located in Cadarache

Candidates should submit cover letter, CV, description of research interests, publication list and two letters of recommendation before April 28 2006 to

Prof. Kai Schneider (MSNM, Marseille): kschneid@cmi.univ-mrs.fr
Prof. Sadri Benkadda (LPIIM, Marseille): benkadda@up.univ-mrs.fr
Prof. Marie Farge (ENS, Paris): farge@lmd.ens.fr
Dr. Yanick Sarazin (CEA, Cadarache): sarazin@pegase.cad.cea.fr

* National Research Agency (French NSF)