



## JOB OPPORTUNITY

Title of the job : Post-doctoral position (3 years), Signal/Image processing at CEA Saclay, Service d'Astrophysique.

The Service d'Astrophysique (SAp) at CEA Saclay invites applications for a postdoctoral appointment in the area of data analysis/image processing of astronomical data to work with Jean-Luc Starck.

The CEA Saclay is a government research center situated 40 minutes from central Paris, France. The SAp has a wide interest in astrophysics ranging from planets to cosmology, with a specialisation in space missions (eg. Euclid, XMM-Newton, Herschel, PLANCK, JWST, Integral etc) and instrumentation (eg. Megacam on the Canada-France-Hawaii Telescope).

The position is to work on sparse representation of astronomical data for different applications such as non-Gaussianity detection, inverse problem and compressed sensing.

Candidates should have a PhD in Image processing, Physics or Astronomy. Previous experience in sparse representations (wavelet, curvelets, etc) and the development of data analysis methods is preferred, but experience in related areas is also suitable.

The position, funded for at least 3 years (up to 5 years), will be renewed on a yearly basis depending on scientific progress and achievement. The gross minimum salary will be 34,000€ annually (~2,260€ net per month), and will be adjusted according to experience and family situation. A minimum of 5,000 € per year of travel money for each position will also be provided, in addition to the usual funding support of any French institution (medical insurance, etc).

Applicants are requested to send a CV, a list of publications, and a brief statement of research interests. This material together with three letters of reference should be sent by the closing date to

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The closing date for receipt of applications : February 28, 2009