

INAF – ARCETRI ASTROPHYSICAL OBSERVATORY
Florence (ITALY)
International Post-Doctoral Fellowship

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The INAF – Arcetri Astrophysical Observatory (Florence) intends to award a post-doctoral fellowship in the field of Adaptive Optics. The activity to be developed during the fellowship consists in performing numerical simulations aimed to estimate astronomical AO system calibration process and performance. In particular the simulations should address the following three cases:

- 1) Analysis and verification of calibration procedures for Adaptive Optics systems using laboratory data or on sky data
- 2) Computation of performance for 8m and ELT class telescopes in terms of measuring the achieved Strehl ratio as a function of the reference star magnitude
- 3) Computation of system sky coverage in some case of particular astronomical interest.

Previous experiences in the field of numerical simulations of Astronomical Adaptive Optics systems will be considered as a plus.

Applicants must have a Ph.D. or equivalent at the starting date of the fellowship. The gross yearly salary will be 40.000,00 Euro (CRAM 2.02.01.04). The fellowship will be initially for one year with a possible extension up to three years depending on funding availability and a positive evaluation of the research carried out during the previous two years. The fellowship will not entail social benefits or medical insurance.

The fellow will be requested to cover himself/herself with basic medical insurance and accident insurance. Copy of the accident insurance contract should be to consigned to the administrative offices of Arcetri Astrophysical Observatory, in case of acceptance of the post.

No special application forms are required. The applicants should send a CV and a list of publications to the above submission addresses and should arrange for two letters of recommendation to be sent separately to the same addresses. E-mail submission is accepted.

Applications should arrive in Arcetri no later than November 10th, 2011. The starting date will be December 1st, 2011.

Application deadline: November 10th, 2011

Contact person:

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The director
(Dr. Francesco Palla)

Firenze , October 10, 2011

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