

Contract Number: MEXT-CT-2005-023878 - Marie Curie Excellence Grant

Project Title: 3D Optical Turbulence Forecast above Astronomical Sites

Job Title: PhD position - Early Stage Researcher (1-4 years experience in the EC definition). The candidate needs to have a Bachelor degree by the start of the appointment.

Job Description:

A motivated, highly autonomous and flexible student will be selected to be part of research group led by Elena Masciadri and funded by a Marie Curie Excellence Grant having, as a main goal, the simulation and forecast of the optical turbulence for astronomical applications.

The PhD thesis will be focused on proving the abilities of a meso-scale atmospheric model in 'forecasting' the optical turbulence above Mt. Graham (Arizona), site of the Large Binocular Telescopes (LBT) interferometer.

Candidate with formation in High Angular Resolution techniques, physics of the atmosphere or astrophysics with strong skills and interests in applied researches are particularly welcome. Applications should include a Curriculum Vitae and 2 letters of reference.

The Host Institute is the Osservatorio Astrofisico of Arcetri in Florence (Italy). The main topic of this project is inserted in a multidisciplinary and leading edge field at the borderline between astronomy, physics of the atmosphere and meteorology. Candidates who might contribute to national and gender diversity in the research group are encouraged to apply.

Candidates devoted to a team work are expected.

Further information on the *Core Project Description* can be found at the site <http://mc-opportunities.cordis.lu>.

Contract Type: Temporary Position - Early Stage Researcher (1-4 years experience in the European Community definition) (Handbook Marie Curie Excellence Grant – Type A Contract, pag. 48 – http://europa.eu.int/comm/research/fp6/mariecurie-actions/action/excellence_en.html).

Number of position: 1

Deadline: 1 August 2006

Start data: September 2006

Duration: 36 months

Salary: EU scale, depending on family status - Handbook Marie Curie Excellence Grant http://europa.eu.int/comm/research/fp6/mariecurie-actions/action/excellence_en.html).

Contact:

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Discipline: Physics, Astrophysics

Town: Florence

Country: Italy

How to apply: E-mail (please, add the personal e-mail and telephone number).