



LUND
UNIVERSITY

1st September 2006

Lund Observatory

Optomechanics and adaptive optics for Extremely Large Telescopes (ELTs)

PhD position in Astronomy & Astrophysics at Lund Observatory

Deadline: ~~20~~ October 2006 [^]Note! Prolonged [^]

Ref nr: 4469 (should be quoted in the application)

Send the application to:

Registrar
Lunds universitet
Box 117
221 00 LUND
SWEDEN

Starting date: As soon as practical

Further information:

Dr Mette-Owner Petersen
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Research will emphasise development of adaptive optics systems for ELTs. It will include optics, computer simulations of complex optomechanical systems, complex control systems for adaptive optics, and development of future large and thin computer controlled deformable mirrors.

We suggest that applicants from non-Swedish universities contact us directly for an assessment of their eligibility for the current position. As a guideline the applicant should have, at the minimum, a bachelors degree in engineering or physics, electronics, mechanical engineering, space engineering, or astronomy. Experience in control engineering and computer simulation of dynamical processes is valuable. If you have any questions regarding this please contact us. For those who can read Swedish the full study plan (including eligibility requirement) is available at www.naturvetenskap.lu.se/fou/FUstudpl/astronomi.pdf. A summary in English of our PhD program

and some useful links regarding PhD studies in Lund and Sweden can be found at <http://www.astro.lu.se/Education/FU/engindex.html>. Note that no undergraduate astronomy is required for entry into our PhD program.

The application form (in English) can be found on the following web-page: <http://www.naturvetenskap.lu.se/o.o.i.s/3156> (see link under "Application for admission to postgraduate studies"). If you want to apply to both of the currently advertised PhD positions at Lund Observatory you must send in a full application for each position, quoting the correct reference number.

The application should also include a short reflection by the applicant on why he or she would like to pursue a PhD in astronomy & astrophysics. If the applicant has a preference for the area of research that she or he would like to work in this can be stated in the application. This, however, is not mandatory. No letters of recommendation should be included in the application, but the applicant may supply us with names of people who are willing to give a supportive reference. For these reference persons please supply name, current position, email and phone number.

For those who are not Swedish undergraduates it may be useful to include a brief description of their undergraduate curriculum. If there are official information leaflets on this that would be helpful to receive. Otherwise please write a short summary yourself. It can also be important for us to understand what your grades mean (i.e. how good, in relation to your fellow students, your grades are). For this reason it is also useful that one of your reference persons is an experienced teacher that can explain your system to us should we have further questions.

If you have any questions please do not hesitate to contact Mette Owner-Petersen.