Structure, Dynamics and Energy Balance of Molecular Clouds

PhD Student Position

Stockholm Observatory, Stockholm University, Sweden

Deadline: October 19, 2003

The Star Formation/IR-group at the Stockholm Observatory (http://www.astro.su.se/English/groups/infrared/ir.html) invites applications from members of all nationalities for a 4-year research student position, funded by the Swedish National Space Board. The PhD thesis advisor will be René Liseau, Stockholm University.

The student's research is expected to be in the field of the physics of molecular clouds. Primarily based on data being collected with the Swedish-international submillimeter satellite ODIN (http://www.snsb.se/eng_odin_intro.shtml), this research will be observational in nature, but will also include significant elements of theoretical modeling, in particular of the transport of radiation through optically (very) thick media. The results of this modeling are also expected to provide valuable input for the observational planning for the next generation FIR/submm space platforms, notably HIFI aboard the ESA Space Observatory *Herschel*.

Applications, including curriculum vitae, attested copies of the examination certificate(s) with grades, a copy of the under-graduate thesis, letters of reference/recommendation and other material relevant for the selection process should be marked Dnr 39/03 and sent to

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Closing date for the application is **October 19, 2003**. The exact date of commencement is negotiable but should not be later than 20 January 2004, i.e. the start of the spring semester.

Information regarding the graduate student program can be found at http://www.astro.su.se/utbildning/graduate.html and the director of graduate studies is Prof. Hans Olofsson, e-mail: hans@astro.su.se, tel: +46-8-5537 8516.