

ESO Studentship Programme

The European Southern Observatory research student programme aims at providing the opportunities and the facilities to enhance the post-graduate programmes of ESO member-state universities by bringing young scientists into close contact with the instruments, activities, and people at one of the world's foremost observatories. For more information about ESO's astronomical research activities please consult Research Projects and Activities. (<http://www.eso.org/projects/> or <http://www.eso.org/science/>). Students in the programme work on an advanced research degree under the formal tutelage of their home university and department, but come to either Garching or Vitacura-Santiago for a stay of up to two years to conduct part of their studies under the supervision of an ESO staff astronomer. Candidates and their national supervisors should agree on a research project together with the potential ESO local supervisor. This research programme should be described in the application and the name of the ESO local supervisor should also be mentioned. It is highly recommended that the applicants start their Ph.D. studies at their home institute before continuing their Ph.D. work and developing observational expertise at ESO.

The ESO studentship programme comprises about 14 positions, so that each year a total of up to 7 new studentships are available either at the ESO Headquarters in Garching or in Chile at the Vitacura Quarters. These positions are open to students enrolled in a Ph.D. programme in the ESO member states and exceptionally at a university outside the ESO member states.

The closing date for applications is June 15, 2000.

Please apply by using the ESO Studentship application form now available on-line (<http://www.eso.org/gen-fac/adm/pers/forms>)

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Studentship Programme
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(1 December 1999 – 31 March 2000)

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CHILE

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(1 December 1999 – 31 March 2000)

ARRIVALS

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PINO, Flavia, Personnel Administrative Assistant, Vitacura
PRADO, Pablo, Scientific Instrument Operator / Night Assistant, La Silla
ZAPATA, Joel, Warehouse Administrative Assistant, Paranal

Scientific Preprints

(October 1999 – February 2000)

1341. C.J. Cesarsky and M. Sauvage: A Mid and Far Infrared View of Galaxies. In: "Toward a New Millennium in Galaxy Morphology", edited by D. L. Block, I. Puerari, A. Stockton and D. Ferreira (Kluwer, Dordrecht).
1342. F. Kerber et al.: ISO Observations of Dust Formation in Sakurai's Object. Monitoring the Mass Loss of a Very Late Helium Flash Star. *A&A*.
1343. J. U. Fynbo, B. Thomsen and P. Møller: Ly α Emission from a Lyman Limit Absorber at $z = 3.036$. *A&A*.
1344. M.-H. Ulrich, A. Comastri, S. Komossa and P. Crane: The Steep Spectrum Quasar PG1404+226 with ASCA, HST and Rosat. *A&A*.
1345. V. Testa et al.: The Large Magellanic Cloud Globular Cluster NGC 1866: New Data, New Models, New Analysis. *AJ*.
1346. A. Fontana et al.: High Redshift Evolution of Optically and IR-Selected Galaxies: a Comparison with CDM Scenarios. *MNRAS*.
1347. D. Elbaz et al.: Source Counts from the 15 μ m ISOCAM Deep Surveys. *A&A*.
1348. M. Chadid, K. Kolenberg, C. Aerts and D. Gillet: First Detection of a Frequency Multiplet in the Line-Profile Variations of RR Lyrae: Towards an Understanding of the Blazhko Effect. *A&A*.
1349. T. Douvion, P. O. Lagage and C. J. Cesarsky: Element Mixing in the Cassiopeia A Supernova. *A&A Letters*.
1350. M. Romaniello, M. Salaris, S. Cassisi, N. Panagia: HST Observations of the LMC Field Around SN 1987A: Distance Determination with Red Clump and Tip of the Red Giant Branch Stars. *ApJ*.
1351. O. Marco and D. Alloin: Adaptive Optics Images at 3.5 and 4.8 μ m of the Core Arcsec of NGC 1068: More Evidence for a Dusty/Molecular Torus. *A&A*.
1352. D. Baade: Observed Periodic Phenomena. S. Steff and T. Rivinius: Heros Be Star Campaigns. *The Be Phenomenon in Early-Type Stars*. ASP Conference Series, Vol. 3 \times 10⁶, 2000. M. A. Smith, H. F. Henrichs and J. Fabregat, eds.
1353. F. Paresce and G. De Marchi: On the Globular Cluster IMF Below 1 M_{\odot} . *ApJ*.
1354. A. Pasquali et al.: R4 and Its Circumstellar Nebula: Evidence for a Binary Merger? *AJ*.
1355. F. R. Ferraro, P. Montegriffo, L. Origlia and F. Fusi Pecci: A New IR-Array Photometric Survey of Galactic Globular Clusters: A detailed Study of the RGB Sequence as a Step Towards the Global Testing of Stellar Models. *AJ*.
1356. M. Kürster et al.: An Extrasolar Giant Planet in an Earth-like Orbit. Precise Radial Velocities of the Young Star ι Horologii = HR 810. *A&A*.

ESO, the European Southern Observatory, was created in 1962 to "... establish and operate an astronomical observatory in the southern hemisphere, equipped with powerful instruments, with the aim of furthering and organising collaboration in astronomy ...". It is supported by eight countries: Belgium, Denmark, France, Germany, Italy, the Netherlands, Sweden and Switzerland. ESO operates at two sites. It operates the La Silla observatory in the Atacama desert, 600 km north of Santiago de Chile, at 2,400 m altitude, where several optical telescopes with diameters up to 3.6 m and a 15-m submillimetre radio telescope (SEST) are now in operation. In addition, ESO is in the process of building the Very Large Telescope (VLT) on Paranal, a 2,600 m high mountain approximately 130 km south of Antofagasta, in the driest part of the Atacama desert. The VLT consists of four 8.2-metre and three 1.8-metre telescopes. These telescopes can also be used in combination as a giant interferometer (VLTI). The first 8.2-metre telescope (called ANTU) is since April 1999 in regular operation, and also the second one (KUEYEN) has already delivered pictures of excellent quality. Over 1200 proposals are made each year for the use of the ESO telescopes. The ESO Headquarters are located in Garching, near Munich, Germany. This is the scientific, technical and administrative centre of ESO where technical development programmes are carried out to provide the La Silla and Paranal observatories with the most advanced instruments. There are also extensive astronomical data facilities. In Europe ESO employs about 200 international staff members, Fellows and Associates; in Chile about 70 and, in addition, about 130 local staff members.

The ESO MESSENGER is published four times a year: normally in March, June, September and December. ESO also publishes Conference Proceedings, Preprints, Technical Notes and other material connected to its activities. Press Releases inform the media about particular events. For further information, contact the ESO Education and Public Relations Department at the following address:

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1357. K. Adelberger: Star Formation and Structure Formation at $1 \leq z \leq 4$. *Clustering at High Redshift*, ASP Conference Series, Vol 1999, A. Mazure and O. LeFevre, eds.
1358. J.U. Fynbo, W. Freudling and P. Møller: Clustering of Galaxies at Faint Magnitudes. *A&A*.
1359. M.-H. Ulrich: The Active Galaxy NGC 4151: Archetype or Exception? *A&A Review*, Variability of Active Galactic Nuclei. Contribution for the *Encyclopedia of Astronomy and Astrophysics*, Oxford Institute of Physics and McMillan Publ. Co. 1999.
1360. T. Broadhurst and R.J. Bouwens: Young Red Spheroidal Galaxies in the Hubble Deep Fields: Evidence for a Truncated IMF at $\sim 2 M_{\odot}$ and a Constant Space Density to $z \sim 2$.
1361. G. A. Wade et al.: Magnetic Field Geometries of Two Slowly Rotating Ap/Bp Stars: HD 12288 and HD 14437. *A&A*.
S. Hubrig et al.: Rapidly Oscillating Ap Stars versus Non-Oscillating Ap Stars. *A&A*.
M. Gelbmann et al.: Abundance Analysis of roAp Stars. V. HD 166473. *A&A*.
1362. F. R. Ferraro et al.: Another Faint UV Object Associated with a Globular Cluster X-Ray Source: The Case of M92. *ApJ*.
1363. A. Grazian et al.: The Asiago-ESO/RASS QSO Survey. I. The Catalog and the Local QSO Luminosity Function. *AJ*.

NEW ESO PROCEEDINGS AVAILABLE

The Proceedings of the Bäckaskog Workshop on

EXTREMELY LARGE TELESCOPES

(ESO Conference and Workshop Proceedings No. 57)

have been published. The 306-page volume, edited by Torben Andersen, Arne Ardeberg and Roberto Gilmozzi, is available at a price of DM 60.- (prepayment required).

Payments have to be made to the ESO bank account 2102002 with Commerzbank München, or by cheque, addressed to the attention of

ESO, Financial Services, Karl-Schwarzschild-Str. 2,
D-85748 Garching bei München, Germany

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