

Senior Visitor Programme at La Silla

The European Southern Observatory (ESO) invites experienced astronomers to spend periods ranging from a few months to one year at La Silla in Chile within the framework of the ESO Senior Visitor Programme. The research facilities at La Silla consist of 12 telescopes, including the SEST 15-m submillimetre antenna, and the 3.5-m New Technology Telescope. There are ample computing facilities with a number of networked SUN workstations which run, among other things, the MIDAS image-processing system.

The astronomy group at La Silla has 18 members divided into 6 staff astronomers, 6 post-doctoral fellows and 6 students. The research projects currently pursued by the astronomical staff include low-mass star formation (Herbig-Haro flows, young binaries, disk accretion), protoplanetary nebulae, supernovae and their remnants, chemistry of molecular clouds, high-resolution spectroscopy of cool stars, the distance scale, compact groups of galaxies, and observational cosmology.

The purpose of the Senior Visitor Programme is to provide stimulus to the ESO Astronomy Group in Chile. Thus, applicants are expected to have or to begin collaborations with one or more ESO astronomers during their visit. A series of lectures on the research field of the Senior Visitor is welcomed, although not mandatory. Except for the requirement to participate in the scientific life of the observatory staff, there are no constraints on the research activities of the Senior Visitor.

Most of the scientists in ESO come from the member states of ESO, but several are from other countries. The member states of ESO are: Belgium, Denmark, Germany, France, Italy, the Netherlands, Sweden and Switzerland. Applicants of all nationalities can apply. Senior Visiting Scientists will be paid an appropriate stipend. Applications may be submitted to ESO at any time. Applicants will be notified within two months. The ESO Senior Visitor Application Form should be used and be accompanied by a list of publications. Enquiries, requests for application forms, and applications should be addressed to:

European Southern Observatory
Senior Visitor Programme
Karl-Schwarzschild-Strasse 2
D-85748 Garching bei München
Germany

New ESO Preprints

March–June 1994

Scientific Preprints

986. P. Ballester: Hough Transform for Robust Regression and Automated Detection. *Astronomy and Astrophysics*.
987. M. Einasto et al.: The Structure of the Universe Traced by Rich Clusters of Galaxies. *M.N.R.A.S.*
988. L. Pasquini, Q. Liu and R. Pallavicini: Lithium Abundances of Nearby Solar-like Stars. *Astronomy and Astrophysics*.
989. Th. Müller, M.R. Rosa and S. Röser: Astrometry in the Galactic Center Region. *Astronomy and Astrophysics*.
990. J.J. Clariá et al.: An Abundance Calibration for DDO Photometry of Populations II G and K Giants. *M.N.R.A.S.*
991. N.N. Chugai: The Oxygen Mass in SN 1987A: Making Use of Fluctuations in (O) 6300, 6364 Å Profile. *Astrophysical Journal (Letters)*.
N.N. Chugai: Supernovae with Dense Circumstellar Winds *Astrophysical Journal (Letters)*.
992. H. Kjeldsen and T.R. Bedding: Amplitudes of Stellar Oscillations: the Implications for Asteroseismology. *Astronomy and Astrophysics*.
993. A. Franceschini et al.: X-Ray versus Optically Selected Active Galactic Nuclei: A Comparative Study of the Luminosity Functions and Evolution Rates. *M.N.R.A.S.*
994. P. Petitjean, M. Rauch and R.F. Carswell: The $Z_{\text{abs}} \sim Z_{\text{em}} \sim 2$ QSO Absorption Line Systems: Evidence for Abundances in Excess of Solar. *Astronomy and Astrophysics*.
995. A.A. Zijlstra et al.: Radio and Infrared Emission from a (WC)-Type Planetary Nebula in the LMC. *Astronomy and Astrophysics*.
996. S.R. Pottasch and A.A. Zijlstra: VLA Measurements of a Sample of Planetary Nebulae. *Astronomy and Astrophysics*.
997. E. Giallongo and P. Petitjean: The Temperature of the Lyman Alpha Clouds and the UV Ionizing Background at High Redshifts. *The Astrophysical Journal (Letters)*.
998. T.R. Bedding, J.G. Robertson and R.G. Marson: An Optical Interferometer with Wavelength Dispersion. *Astronomy and Astrophysics*.
999. G. Marconi, F. Matteucci and M. Tosi: Element Abundances in Blue Compact Galaxies. *M.N.R.A.S.*
1000. C.M. Carollo and I.J. Danziger: Colours, Line-Strengths and Stellar Kinematics of NGC 2663 and NGC 5018. *M.N.R.A.S.*

ANNOUNCEMENT ESO Workshop on QSO Absorption Lines

ESO, Garching
21 – 24 November 1994

An ESO workshop on QSO absorption lines will be held from 21 to 24 November 1994, at the Headquarters of the European Southern Observatory, Garching bei München, Germany.

The workshop is intended to discuss the theory and observations of QSO absorption lines in relation to the following topics:

- Galactic halo and interstellar medium
- Low-redshift systems
- Intrinsic absorption lines and BAL systems
- Ly-alpha clouds
- Damped systems
- Metal systems
- Probing the large scale structure
- Probing the Universe at high redshifts

Organizing Committee:

J. Bergeron, G. Meylan, P. Petitjean, P. Shaver, J. Wampler, ESO

Contact Address:

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Karl-Schwarzschild-Str. 2, D-85748 Garching bei München,
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1001. O. Hainaut et al.: Imaging of Very Distant Comets – Current and Future Limits. *Astronomy and Astrophysics*.
1002. L. Jorda, O. Hainaut and A. Smette: Photometric Study of Comets P/Faye 1991 XXI and Zanotta-Brewington 1992 III. *Planetary and Space Science*.
1003. C.M. Carollo and I.J. Danziger: Dynamics and Stellar Populations in Early-Type Galaxies. *M.N.R.A.S.*
1004. M. Della Valle: Spectroscopic Observations of the Mt. Stromlo MACHO Candidate. *Astronomy and Astrophysics (Letters)*.

1005. P. Dubath and G. Meylan: High-Resolution Kinematical Mapping of the Core of the Globular Clusters M15 = NGC 7078. *Astronomy and Astrophysics*.
1006. M. Della Valle, I.F. Mirabel and L.F. Rodríguez: The Optical and Radio Counterpart of the X-Ray Nova Oph 1993. *Astronomy and Astrophysics*.
1007. J. Storm, B.W. Carney and D.W. Latham: Distances and Luminosities for RR Lyrae Stars in M5 and M92 from a Baade-Wesselink Analysis. *Astronomy and Astrophysics*.
1008. G.C. Van de Steene and A.A. Zijlstra: On an Alternative Statistical Distance Scale for Planetary Nebulae. *Astronomy and Astrophysics*.
1009. F. La Franca et al.: Deep VLA Observations of an Optically Selected Sample of Intermediate Redshift QSOs and the Optical Luminosity Function of the Radio Loud QSOs. *The Astronomical Journal*.
1010. G. Bertin et al.: A Search for Dark Matter in Elliptical Galaxies: Radially Extended Spectroscopic Observations for Six Objects. *Astronomy and Astrophysics*.
1011. S. Pellegrini: ROSAT PSPC Observation of the X-Ray Faint Early-Type Galaxy NGC 5866. *Astronomy and Astrophysics*.

Technical Preprints

63. VERY LARGE TELESCOPE (Instrumentation in Astronomy VIII). Papers submitted to S.P.I.E.'s 1994 Symposium on Astronomical Telescopes and Instrumentation for the 21st Century. 13–18 March 1994, Kona, Hawaii, U.S.A.
64. VERY LARGE TELESCOPE (Advanced Technology Optical Telescopes V). Papers submitted to S.P.I.E.'s 1994 Symposium on Astronomical Telescopes and Instrumentation for the 21st Century. 13–18 March 1994, Kona, Hawaii, U.S.A.
65. VERY LARGE TELESCOPE (Amplitude and Intensity Spatial Interferometry; Adaptive Optics in Astronomy). Papers submitted to S.P.I.E.'s 1994 Symposium on Astronomical Telescopes and Instrumentation for the 21st Century. 13–18 March 1994, Kona, Hawaii, U.S.A.

STAFF MOVEMENTS

Arrivals

Europe

AHRA, Margarete (AUS), Administrative employee (Pers.)
 BIANCAT MARCHET, Fabio (I), Electronics Engineer
 CHIESA, Marco (I), Software Engineer
 CHIOZZI, Gianluca (I), Software Engineer
 CROCKER, James (USA), Head of Programme Office
 CUBY, Jean-Gabriel (F), Paid Associate
 DUHOUEY, Philippe (F), Software Engineer
 FORSTMANN, Pierre (F), Software Engineer
 HERLIN, Thomas (DK), Software Engineer
 KAPER, Lex (NL), Fellow
 KNUDSTRUP, Jens (DK), Software Support Engineer
 KRETSCHMER, Gerhard (D), Mechanical Engineer
 NASTVOGEL-WÖRZ, Michael (D), Software Engineer
 MANIL, Emmanuel (F), System Engineer
 PHAN, Duc Thanh (B), Software Engineer

RÖNNBACK, Jari (S), Fellow
 SANDROCK, Stefan (D), Software Support Engineer
 SPYROMILIO, Jason (GB), Infrared Astronomer
 THIMM, Guido (D), Fellow

Chile

BENETTI, Stefano (I), Fellow
 CHATZICHRISTOU, Eleni (GR), Student
 KOWASCH, Wolfgang (D), Civil Engineer (Cerro Paranal)
 LEMKE, Roland (D), Paid Associate (SEST)
 LUNDQVIST, Göran (S), Paid Associate (System Analyst)

Departures

Europe

MARCONI, Gianni (I), Fellow
 MATTEUCCI, Francesca (I), Paid Associate
 VAN DER WERF, Paul (NL), Fellow

Chile

GREBEL, Eva (D), Student

ESO Publications Still Available

A number of books published by ESO are still available. To permit you to complete the series or simply to inform you about any volume that you may have missed, we reproduce here a list of some of the more recent ESO publications.

Proceedings

No.	Title and year of publication	Price
41	Fourth ESO/ST-ECF Data Analysis Workshop, 1992	DM 25.—
42	Progress in Telescope and Instrumentation Technologies, 1993	DM 90.—
43	Astronomy from Large Data Bases II, 1993	DM 70.—
44	Science with the Hubble Space Telescope, 1993	DM 80.—
45	Structure, Dynamics and Chemical Evolution of Elliptical Galaxies, 1993	DM 90.—
46	Mass Loss on the AGB and Beyond, 1993	DM 70.—
47	Fifth ESO/ST-ECF Data Analysis Workshop, 1993	DM 30.—
48	ICO-16 Satellite Conference on Active and Adaptive Optics, 1994	DM 90.—

Other Publications

ESO's Early History: The European Southern Observatory from Concept to Reality (A. Blaauw), 1991	DM 25.—
The Strasbourg-ESO Catalogue of Planetary Nebulae, Part I and II (eds. A. Acker, F. Ochsenbein, B. Stenholm, R. Tylenda, J. Marcout, C. Schohn), 1992	DM 135.—

Written-Off Items Available at ESO Headquarters

The following electronic parts, in good condition for further use, have recently been written off at ESO, Garching bei München, and are immediately available for the scientific institutes at a small nominal fee or even free of charge, provided that:

– a request is presented to ESO, Contracts & Procurement (Mr. F. Palma, Tel. 0049-89-32006-205; Fax: 0049-89-3207327) until August 31, 1994;

– agreements are taken on the terms and conditions of delivery.

Assignment will be made mainly by taking into account the order of presentation of the formal request and by giving priority to astronomical institutes in the ESO Member States.

F. PALMA, ESO