

## Postdoctoral Fellowship on La Silla

A postdoctoral fellowship is offered on La Silla, starting during the last quarter of 1994. The position is open to a young PhD recipient with strong interest in optical observational astronomy. The successful applicant will have a demonstrated potential for independent as well as collaborative research within and beyond the Astronomy Support Department (ASD) of the La Silla Observatory. Research interests represented in the ASD include active galactic nuclei, star formation, planetary nebulae, abundances and activity of cool stars, magnetic stars, supernovae, and the interstellar medium. The spectrum of the observing facilities on La Silla is among the broadest currently available at ground-based observatories.

The holder of the position will spend 50 % of the time as a member of the newly formed NTT Team which comprises scientists and engineers charged with the operation and upgrading of the 3.5-m New Technology Telescope (NTT). Emphasis will be on the support of Visiting Astronomers and the monitoring of the performance and calibration of the optical instrumentation of the NTT; these duties are to be performed in close collaboration with other Team members and the technical staff of the Observatory. Familiarity with modern software utilities is a requirement.

The ESO fellowships are granted for a period of one year, normally renewed for a second and exceptionally for a third year.

The monthly basic salary will be not less than 5059 DM to which are added an expatriation allowance of 30–45 % as well as a mountain allowance of 5–10 %. Applications should be submitted to ESO not later than 15 May 1994. Applicants will be notified by 31 July 1994. Application forms are available from ESO Personnel and General Services (PGS), Karl-Schwarzschild-Str. 2, D-85748 Garching b. München, Germany. Applicants should arrange for 3 letters of reference to be sent by the same date directly to PGS.

For further information: contact the project scientist (Internet: dbaade@eso.org or SPAN: ESO::DBAADE).

### ANNOUNCEMENT

## ESO Workshop on SCIENCE WITH THE VLT

An international conference to highlight the observational opportunities introduced by the VLT and the 8m class telescopes.

**Garching, Munich, Germany  
28th June – 1st July 1994**

#### Scientific sessions:

- Stellar populations in the Galaxy and nearby galaxies
- Star formation
- Late stages of stellar evolution
- Planetary systems
- ISM studies
- Supernovae
- Distance indicators
- Galactic nuclei and AGN
- Large scale structure
- Gravitational lensing
- The most distant galaxies and quasars

Each session will comprise a review by an invited speaker followed by contributed talks. Poster papers are also encouraged.

CONTRIBUTIONS IN THE FORM OF WORKED-OUT OBSERVING STRATEGIES for planned VLT instruments (CONICA, FORS, FUEGOS, ISAAC and UVES), or other possible instruments, are encouraged.

Closing date for applications (with or without proposed contributed papers): 30 April 1994.

#### Organizing Committee:

(Working Group on Scientific Priorities for the VLT)  
K. de Boer (Bonn), B. Fort (Pic-du-Midi), R.-P. Kudritzki (München), B. Marano (Bologna), S. D'Odorico (ESO), L. Vigroux [Chair] (Saclay), J.R. Walsh (ESO), J. Wampller (ESO)

#### Contact:

J.R. Walsh (jwalsh@eso.org) or  
J. Danziger (jdanzige@eso.org)  
European Southern Observatory,  
Karl-Schwarzschild-Str. 2  
D-85748 Garching bei München, Germany  
Fax: +498932006480

### 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:

S. D'Odorico, G. Meylan, P. Petitjean, P. Shaver, J. Wampller, ESO

#### Contact Address:

Georges Meylan, European Southern Observatory  
Karl-Schwarzschild-Str. 2, D-85748 Garching bei München,  
Germany  
e-mail: gmeylan@eso.org fax: + 4989320-06-480/320-23-62

## New ESO Publications

(December 1993–February 1994)

**Scientific Report No. 13:** "A Catalogue of Quasars and Active Nuclei" (6th Edition). Eds. M.-P. Véron-Cetty and P. Véron.

#### Scientific Preprints

961. N.N. Chugai and I.J. Danziger: SN 1988Z: Low Mass Ejecta Colliding with the Clumpy Wind? *M.N.R.A.S.*
962. P. Dubath, G. Meylan and M. Mayor: On the Velocity Dispersion in the Core of the Globular Cluster M15. *The Astrophysical Journal*.

963. E. Cappellaro et al.: New Emission Nebulae in the POSS Field  $18^h 48^m +0^s$ . *M.N.R.A.S.*
964. N.S. van der Blik, T. Prusti and L.B.F.M. Waters: Vega: Smaller Dust Grains in a Larger Shell. *Astronomy and Astrophysics*.
965. R. Gredel, E.F. van Dishoeck and J.H. Black: Millimetre Observations of Southern Translucent Clouds. *Astronomy and Astrophysics*.
966. S. Pellegrini and G. Fabbiano: The Very-Soft X-Ray Emission of X-Ray Faint Early-Type Galaxies. *The Astrophysical Journal*.
967. A. Moneti, I.S. Glass and A.F.M. Moorwood: Spectroscopy and Further Imaging of IRAS Sources Near the Galactic Centre. *M.N.R.A.S.*
968. H.E. Schwarz: Morphology and Kinematics of Planetary Nebulae. Invited paper presented at 34th Herstroncoex Conference: "Circumstellar Media in the Late Stages of Stellar Evolution." Cambridge, UK, 12–16 July 1993.
969. P. Molaro and L. Pasquini: Lithium Abundance in a Turnoff Star of the Old Globular Cluster NGC 6397. *Astronomy and Astrophysics*.
970. F. Matteucci: Abundance Ratios in Ellipticals and Galaxy Formation. *Astronomy and Astrophysics*.
971. J. Einasto et al.: The Fraction of Matter in Voids. *The Astrophysical Journal*.
972. M. Tarengi, B. Garilli and D. Maccagni: Galaxy Structures in the Hercules Region. *The Astronomical Journal*.
973. B. Leibundgut: Observations of Supernovae. To appear in *The Lives of Neutron Stars*, eds. J. van Paradijs and A.M. Alpar (Dordrecht: Kluwer).
974. P.A. Patsis et al.: Hydrodynamic Simulations of Open Normal Spiral Galaxies: OLR, Corotation and 4/1 Models. *Astronomy and Astrophysics*.
975. L.B. Lucy: Image Restorations of High Photometric Quality. R.N. Hook and L.B. Lucy: Image Restorations of High Photometric Quality: II. Exemples. Papers presented at: "The Restoration of HST Images and Spectra II", a workshop at the Space Telescope Science Institute, 18–19 November 1993.
976. E. Giallongo et al.: The Gunn-Peterson Effect in the Spectrum of the  $z=4.7$  QSO 1202-0725: The Intergalactic Medium at Very High Redshifts. *The Astrophysical Journal Letters*.
977. M. Della Valle et al.: The Nova Rate in Galaxies of Different Hubble Types. *Astronomy and Astrophysics*.
978. J.-L. Starck and F. Murtagh: Image Restoration with Noise Suppression Using the Wavelet Transform. *Astronomy and Astrophysics*.
979. A.F.M. Moorwood and E. Oliva: Extended Infrared Line Emission Excited by Starburst and Seyfert Activity in NGC 3256 and in NGC 4945. *The Astrophysical Journal*.
980. A.G. Gemmo and C. Barbieri: Astrometry of Pluto from 1969 to 1989. *Icarus*.
981. N. Hubin and L. Noethe: Active Optics, and Laser Guide Stars. *Science*.
982. W. Freudling, L. Nicolaci da Costa and P.S. Pellegrini: Testing the Peculiar Velocity Field Predicted from Redshift Surveys. *M.N.R.A.S.*
983. C. Aspin, Bo Reipurth and T. Lehmann: Is ESO H $\alpha$  279 a Pre-Main Sequence Binary? *Astronomy and Astrophysics*.

984. P. Bouchet et al.: SN 1987 A: Observations at Later Phases. To be published in IAU Colloquium 145 on Supernovae and Supernova Remnants. Xian, China, May 24–29, 1993. Cambridge University Press.
985. L.B. Lucy: Optimum Strategies for Inverse Problems in Statistical Astronomy. *Astronomy and Astrophysics*.

### Technical Preprint

62. R.N. Wilson and B. Delabre: New Optical Solutions for Very Large Telescopes Using a Spherical Primary. *Astronomy and Astrophysics*.

## 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
29	High Resolution Imaging by Interferometry Part I and II, 1988	DM 95.—
30	Very Large Telescopes and Their Instrumentation, Part I and II, 1988	DM 95.—
31	First ESO/ST-ECF Data Analysis Workshop, 1989	DM 30.—
32	Extranuclear Activities in Galaxies, 1989	DM 40.—
33	Low Mass Star Formation and Pre-main Sequence Objects, 1989	DM 50.—
34	Second First ESO/ST-ECF Data Analysis Workshop, 1990	DM 20.—
35	Bulges of Galaxies, 1990	DM 40.—
36	Rapid Variability of OB Stars; Nature and Diagnostic Value	DM 45.—
37	The ESO/EIPC Workshop on SN 198A and Other Supernovae, 1991	DM 80.—
38	Third ESO/ST-ECF Data Analysis Workshop, 1991	DM 30.—
39	High-Resolution Imaging by Interferometry, Part I and II, 1993	DM 110.—
40	High-Resolution Spectroscopy with the VLT, 1992	DM 45.—
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

<b>The Surface Photometry Catalogue of the ESO-Uppsala Galaxies</b> (eds. A. Lauberts and E.A. Valentijn), 1989	DM 50.—
<b>ESO's Early History: The European Southern Observatory from Concept to Reality</b> (ed. A. Blaauw), 1991	DM 25.—
<b>The Strasbourg-ESO Catalogue of Planetary Nebulae, Part I and II</b> (eds. A. Acker, F. Ochsenbein, B. Stenholm, R. Tylenda, J. Marcout, C. Schohn), 1992	DM 135.—

The Proceedings of the ICO-16 Satellite Conference on

## Active and Adaptive Optics

(ESO Conference and Workshop Proceedings No.48)

have just been published. The price for the 546-page volume, edited by F.Merkle, is DM 90.— (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-Strasse 2  
D-85748 Garching bei München, Germany