

## ESO Fellowship Programme 1997/98

The European Southern Observatory (ESO) intends to award up to six postdoctoral fellowships tenable at the ESO Headquarters, located in Garching near Munich, and up to two postdoctoral fellowships tenable at ESO's Astronomy Centre in Santiago, Chile.

ESO facilities include the La Silla Observatory in Chile, the VLT Observatory on Cerro Paranal, and the astronomical centres in Garching and Santiago. At La Silla, ESO operates eight optical telescopes with apertures in the range from 0.9 m to 3.6 m, the 15-m SEST millimetre radio telescope, and smaller instruments. First light for the first telescope of the Very Large Telescope (VLT) consisting of four 8-m telescopes is expected in the first quarter 1998. Both the ESO Headquarters and the Astronomy Centre in Santiago offer extensive computing facilities, libraries and other infrastructure for research support. The Space Telescope European Co-ordinating Facility (ST-ECF), located in the ESO Headquarters building, offers the opportunity for collaborations. In the Munich area, several Max-Planck Institutes and the University Observatory have major programmes in astronomy and astrophysics and provide further opportunities for joint programmes. In Chile, astronomers from the rapidly expanding Chilean astronomical community collaborate with ESO colleagues in a growing partnership between ESO and the host country's academic community.

The main areas of activity at the Headquarters and in Chile are:

- research in observational and theoretical astrophysics;
- managing and constructing the VLT;
- developing the interferometer and adaptive optics for the VLT;
- operating the La Silla Observatory;
- development of instruments for current ESO telescopes and for the VLT;
- calibration, analysis, management and archiving of data from the current ESO telescopes;
- fostering co-operation in astronomy and astrophysics within Europe and Chile.

In addition to personal research, fellows in Garching spend up to 25% of their time on the support or development activities mentioned above. These activities offer the opportunity to make short-term visits to the ESO sites in Chile and to develop in-depth knowledge of the operations of the observatory. In Chile, fellows and staff astronomers spend one week at ESO's Centre in Santiago, one week at La Silla Observatory and have the third week off. At La Silla, fellows help in supporting visiting astronomers, and participate in the development and maintenance of the telescopes and instruments. The fellowship programme in Chile offers a unique opportunity to learn and to participate in the process of observational astronomy while pursuing a research programme with state-of-the-art facilities.

Applicants should have a recent doctorate. The basic monthly salary will be not less than DM 5526 to which is added an expatriation allowance of 9–12% in Garching, if applicable, and up to 40% in Chile. The fellowships are granted for one year with the expectation of a renewal for a second year and, for Chile only, exceptionally a third year. Fellowships begin between April and October of the year in which they are awarded. Applications should be submitted to ESO not later than October 15, 1996. Applicants will be notified in December 1996 or soon thereafter. The ESO Fellowship Application Form must be used, which is available directly from ESO or from <http://www.eso.org/adm/personnel/fellows>. The applicant should arrange for three letters of recommendation from persons familiar with his/her scientific work to be sent directly to ESO. These letters should reach ESO not later than October 15, 1996.

Further inquiries, requests for application forms, and completed applications should be addressed to:

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

## Mr. Gerhard Bachmann Retired

After more than 25 years at ESO, most of that time as Head of Administration, Mr. Gerhard Bachmann retired on May 31, 1996, just after his 65th birthday on May 24. Mr. Bachmann was born in Berlin, began his professional career in the "Senatsverwaltung" of Berlin and became in 1963 assigned to the NATO Organisation in France and Luxembourg. He came to ESO in October of 1970 and was appointed Head of Administration in December 1972, succeeding Mr. J. Bloemkolk.



Throughout his time at ESO, Mr. Bachmann has greatly contributed to the success of the Organisation. Council Members and other officials of the Member States have repeatedly stated how impressed they were by his diplomatic abilities and his thorough knowledge of the interaction of science and politics in the field of astronomy. He played an important role in the negotiations with Chile and explored a closer co-operation with EU. Inside ESO, he has ensured the smooth running of the Organisation's Administration, making certain that ESO has avoided unnecessary bureaucracy, yet adhered strictly to the Rules and Regulations which govern this international organisation.

All of us at ESO wish Mr. Bachmann a happy and healthy retirement, much of which we understand he will spend in his beautiful house in the south of France.

### New ESO Proceedings Available

The Proceedings of the OSA/ESO topical Meeting on

## Adaptive Optics

(ESO Conference and Workshop Proceedings No. 54)

have been published. The 542-p. volume, edited by M. Cullum, is available at a price of DM 80.- (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

## New ESO Preprints

(February – June 1996)

### SCIENTIFIC PREPRINTS

1131. J.K. Kotilainen et al.: Near-Infrared Line and Continuum Imaging of the Nuclear Starburst Region NGC 1808. *A&A*.
1132. E. Giallongo et al.: The Proximity Effect, the UV Background and the statistics of the Lyman-Alpha Lines at High Resolution. *ApJ*.
1133. J.-L. Starck et al.: Astronomical Image Compression Based on Noise Suppression. *PASP*.

1134. R.A.E. Fosbury: Circumnuclear Activity. *Lecture Notes in Physics*. Springer.
1135. G. De Marchi and F. Paresce: Very Blue Stars and Mass Segregation in the Core of M15. *ApJ*.
1136. E.J. Wampler et al.: Deuterium and Ionic Abundances at High Redshift. Invited talk presented at Atami conference on "Origin of Matter and Evolution of Galaxies in the Universe '96", ed. T. Kajino, Y. Yoshii, S. Kubono (World Scientific, Singapore, 1996).
1137. C. Simpson et al.: Emission Line Ratios in a Radio-Selected Sample of AGN. *MNRAS*.
1138. D. Minniti et al.: Globular Clusters in the Inner Regions of NGC 5128 (Cen A). *ApJ*.
1139. J. Bally, J. Morse, Bo Reipurth: The Birth of Stars: Herbig-Haro Jets, Accretion and Protoplanetary Disks. *Science with the Hubble Space Telescope - II*. Space Telescope Science Institute, 1966. Eds. P. Benvenuti, F.D. Macchetto, E.J. Schreier.
1140. J.D. Kennefick, S.G. Djorgovski, G. Meylan: A Multicolor CCD Survey for Faint  $z > 4$  Quasars. *AJ*.
1141. M. Villar-Martin, L. Binette, R.A.E. Fosbury: The Effects of Resonance Scattering and Dust on the UV Line Spectrum of Radio Galaxies. *A&A*.
1142. G.A. Wade et al.: A Magnetic Model for the Ap Star HD 192678. *AA*.
1143. Bo Reipurth, L.-Å. Nyman, R. Chini: Protostellar Candidates in Southern Molecular Clouds. *A&A*.
1144. Bo Reipurth, A. Pedrosa, M.T.V.T. Lago: H $\alpha$  Emission in Pre-Main Sequence Stars - I. An Atlas of Line Profiles. *A&A*.
1145. D. Minniti, A.A. Zijlstra: Dwarf Galaxies also have Stellar Hallos. *ApJ Letters*.
1146. M. Turatto et al.: The Properties of the Peculiar Type Ia SN 1991bg. Analysis and Discussion of two Years of Observations. *MNRAS*.
1147. S. Randich, J.H.M.M. Schmitt, C. Prosser: Coronal Activity in the Coma Berenices Open Cluster. *A&A*.
1148. G.C. Van de Steene, K.C. Sahu, S.R. Pottasch: Optical Observations of Southern Planetary Nebula Candidates. *A&A*.
1149. V. Carbone, S. Savaglio: Multifractional Structure of Ly $\alpha$  Clouds: an Example with the Spectrum of QSO 0055-26. *MNRAS*.
- 1150: T. Böhm et al.: Azimuthal Structures in the Wind and Chromosphere of the Herbig Ae Star AB Aur. *A&A*.
- 1151: N. Nancy et al.: The Chamaeleon Infrared Nebula: a Polarization Study with High Angular Resolution. *ApJ Letter*.
1152. A. Iovino, R. Clowes, P. Shaver: A Large Sample of Objective Prism Quasar Candidates.
1153. M.R.S. Hawkins et al.: Two Variable Quasars at  $z > 4$ . *MNRAS*.
1154. M.-H. Ulrich and J. Rönnback: The Host of B2 0828+32, a Radio Galaxy with Two Sets of Radio Lobes. *A&A*.
1155. W.W. Zeilinger et al.: The Distribution of Ionized Gas in Early-Type Galaxies II. The Velocity Field of the Ionized Gas. *A&A*.
1156. A. Marconi et al.: Infrared and Visible Coronal Lines in NGC 1068. *A&A*.
1157. F. Comerón, J. Torra: The Galactic Distribution and Luminosity Function of Ultracompact HII Regions. *A&A*.

## TECHNICAL PREPRINTS

70. D. Baade: The Operations Model for the Very Large Telescope. Invited talk given at the fall meeting of the Astronomische Gesellschaft in Bonn, September 1995, 18-23. To appear in R. Schielicke (ed.) *Reviews in Modern Astronomy*, Vol. 7. Springer.

# PERSONNEL MOVEMENTS

## International Staff (April 1 – July 31, 1996)

### ARRIVALS

#### EUROPE

- KÖNIG, Norbert (D), Head of Administration  
 TELANDER, Christine (S), Division Secretary (DMD)  
 ZIAIEPOUR, Hourii (F), System Archive Engineer  
 EMSELLEM, Eric (F), Fellow  
 DUC, Pierre-Alain (F), Fellow  
 DROUET D'AUBIGNY, Christian (F), Coopérant

#### CHILE

- PERSSON, Glenn (S), Paid Associate, SEST  
 SHETRONE, Matthew (USA), Fellow  
 TURATTO, Massimo (I), Paid Associate

## TRANSFERS FROM GARCHING TO CHILE

- PHAN, Duc Thanh (B), Software Engineer  
 CHIESA, Marco (I), Software Engineer

## DEPARTURE

### EUROPE

- BACHMANN, Gerhard (D), Head of Administration  
 NASTVOGEL-WÖRZ, Michael (D), Software Support Engineer  
 DIERCKX, Peter (B), System Manager  
 JANSEN, Ronald (NL), Accounting Assistant  
 MAYR, Stephanie (D), Junior Analyst  
 PATAT, Ferdinando (I), Student

### CHILE

- KNEE, Lewis (CDN), SEST Fellow  
 RÖNNBACK, Jari (S), Fellow  
 GEOFFRAY, Hervé (F), Student  
 LEDOUX, Cédric (F), Coopérant

## Local Staff Chile (April 1 – July 31, 1996)

### ARRIVALS

- GAJARDO, Maria Soledad (RCH), VLT Software Engineer  
 WENDEROTH, Erich (RCH), Instrument Operator

### DEPARTURES

- FERNÁNDEZ A., Juan (RCH), Cook  
 FERNÁNDEZ del R., Juan (RCH), Imports/Exports  
 AVILÉS, Roberto (RCH), Instrument Operator  
 ESPINOZA, Juan (RCH), Cook

## ESO Proceedings Still Available

A number of proceedings 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 proceedings.

No.	Title and year of publication	Price
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.—
49	Dwarf Galaxies, 1994	DM 90.—
50	ESO/OAT Workshop "Handling and Archiving Data from Ground-based Telescopes", 1994	DM 35.—
51	Third CTIO/ESO Workshop on "The Local Group: Comparative and Global Properties", 1995	DM 50.—
52	European SL-9/Jupiter Workshop, 1995	DM 80.—
53	ESO/ST-ECF Workshop on "Calibrating and understanding HST and ESO instruments", 1995	DM 60.—
54	OSA/ESO Topical Meeting on "Adaptive Optics", 1996	DM 80.—