

FIRST ANNOUNCEMENT

## ESO Conference on Chemical Evolution from Zero to High Redshift

ESO Headquarters, Garching, Germany

October 14–16, 1998

The topic of the conference is the determination and interpretation of chemical abundances and evolution from stars, interstellar medium and local group galaxies at zero redshift to distant galaxies, clusters of galaxies and inter-galactic medium at high redshift. Whilst problems undoubtedly remain in the determination of stellar and nebular abundances in the nearby Milky Way, results are beginning to converge.

The observational and interpretative tools are starting to be mature enough that they can be applied with some confidence to extra-galactic systems and integrated populations at increasingly high redshift.

Ultimately the tools should be applicable to determination of the chemistry and enrichment of young galaxies at large look-back times.

The broad aim of the conference is to assess the interplay between methods of measuring chemical abundances with the astrophysical models of galaxy evolution. About half of the conference will be devoted to consideration of abundances and the factors that regulate them in nearby well-studied systems of the Milky Way and Local Group Galaxies. The remainder will concentrate on more distant systems where the abundance data is more slender and the tools under refinement. In addition there will be sessions on forthcoming and future instrumentation applicable to abundance determinations across the whole electromagnetic spectrum. The format for the meeting is invited talks, with contributed papers as talks or posters and some discussion sessions.

There will be five main facets to the conference. The invited speakers are indicated.

- Milky Way stellar and ISM abundance patterns and their models (Gustafsson, Lennon, Peimbert, McWilliam, Meyer and Matteucci)
- Abundances in nearby galaxies and clusters: observations (Pagel, Skillman, Garnett, Worthey and Renzini)
- Evolution of abundances (e.g. effect of dynamics, mergers, supernovae) (Thielemann, Edmunds, Haehnelt and Kauffmann)
- Abundances in the distant Universe (QSO absorption lines and starburst galaxies) and primordial abundances (Pettini, Songaila, Combes, Leitherer and Tytler)
- New windows on abundance determinations in the UV, optical-IR, X-ray and radio (Jenkins, D'Odorico, Kahn and Thatte)

Conference summary by S. White

**Scientific Organising Committee:**

F. Combes, D. Garnett, G. Kauffmann, C. Leitherer, D. Lennon, J. Mathis [Chair], M. Pettini, M. Rosa, P. Shaver, E. Terlevich

**Local Organising Committee:**

G. Contardo, J. Walsh, C. Stoffer

Registration has already begun and the deadline for registration is 1 August 1998.

More details and a registration form can be found at:

<http://www.eso.org/gen-fac/meetings/chemev98/>  
or contact: [chemev98@eso.org](mailto:chemev98@eso.org) for further information.

## The Astronomical Almanac to Be Revised

The U.S. Naval Observatory and the Royal Greenwich Observatory are currently conducting a thorough review of the content and format of the Astronomical Almanac.

In order to assess the needs of the users, a survey is being conducted by the two offices and users can make their needs known in detail by accessing the site <http://www.ast.cam.ac.uk/nao/survey.html> or writing to Dr. Alan D. Fiala [adf@newcomb.usno.navy.mil](mailto:adf@newcomb.usno.navy.mil).

The survey will close on 1 August 1998.

## List of Scientific Preprints

### (March–May 1998)

1263. Contributions of the ESO Data Management and Operations Division to the SPIE Workshop "Observatory Operations to Optimize Scientific Return". 20–21 March 1998.
1264. P.A. Mazzali et al.: Nebular Velocities in Type Ia Supernovae and their Relationship to Light Curves.
1265. O.R. Hainaut et al.: Early Recovery of Comet 55P/Temple-Tuttle. *A&A*.
1266. J.C. Vega Beltrán et al.: Mixed Early- and Late-Type Properties in the Bar of NGC 6221: Evidence for Evolution Along the Hubble Sequence. *A&A*.
1267. M. Turatto et al.: The Peculiar Type II Supernova 1997 D: A Case for a Very Low  $^{56}\text{Ni}$  Mass.
1268. F. Bresolin et al.: An HST Study of Extragalactic OB Associations. *The Astronomical Journal*.
1269. F. Comerón et al.: ISO Observations of Candidate Young Brown Dwarfs. *A&A*.
1270. D.R. Silva and G.D. Bothun: The Ages of Disturbed Field Elliptical Galaxies: I. Global Properties. *The Astronomical Journal*.

## PRELIMINARY ANNOUNCEMENT

# ESO Workshop on Minor Bodies in the Outer Solar System

ESO Headquarters, Garching, Germany

November 2–5, 1998

A four-day ESO Workshop on Minor Bodies in the Outer Solar System (ESO MBOSS-98), their orbital and physical characteristics, as well as their origins and inter-relationships will be held at a time when several new observational facilities, including the ESO Very Large Telescope (VLT), are about to enter into operation. With larger collecting areas and equipped with a host of advanced instruments, they have the potential of revolutionising observational studies of these faint objects. An overview of this active research field at this time will therefore provide an important contribution to the efficient planning of these investigations.

This is a hot subject in current solar-system studies. There is an image emerging of interconnections between Jovian Trojans, the Centaurs, the newly found classes of TNO's, comet nuclei, interplanetary dust and the icy moons of outer planets, including Pluto itself. The ESO Workshop will allow observers and theoreticians to get together and to discuss plans for future studies in this rapidly evolving field. The emphasis will be on establishing a comprehensive, overall picture which attempts to describe the formation, evolution and interaction of these components.

The meeting will be held in the ESO main auditorium, and the number of participants is therefore limited to a maximum of approximately 120.

### The main topics of the Workshop will be the following:

- Inventory of Minor Bodies in Outer Solar System (overview)
- Outer Solar System reservoirs (Outer Main Belt and Trojans; Centaurs and Interplanetary Rings; TNO's and Edgeworth-Kuiper Belt; Trans-Neptunian Disk and Oort Cloud)
- Orbital dynamics and evolution (High-precision orbital determinations; Resonance trapping; Similarity and diversity of orbital types; Pathways between the reservoirs)
- Physical properties (Size, shape and rotation; Composition and atmospheres)
- Physical interrelationships (Transitional asteroid/comet cases; Interplanetary dust)
- Origin and physical evolution (Theories of planetary formation; Collisional history; Growth and physical evolution)
- Future lines of research (Research possibilities with new generation of very large telescopes; Spacecraft missions; Innovative techniques; Collaboration/coordination)

### Scientific Organising Committee:

Rudi Albrecht (ST/ECF, Garching, Germany); Mark Bailey (Armagh Observatory, N. Ireland, UK); Hermann Boehnhardt (ESO, Santiago, Chile); Martin Duncan (Queen's University, Kingston, Ontario, Canada); Julio A. Fernandez (Universidad de la Republica, Montevideo, Uruguay); Alan Fitzsimmons (Queen's University, Belfast, N. Ireland, UK; SOC Chair); David Jewitt (Institute of Astronomy, Honolulu, Hawaii, USA); Hans Rickman (Astronomiska Observatoriet, Uppsala, Sweden); Alan Stern (South-West Research Institute, Austin, Texas, USA); Jun-ichi Watanabe (National Observatory, Tokyo, Japan); Richard West (ESO, Garching, Germany; LOC Chair)

More details and a registration form can be found at: <http://www.eso.org/gen-fac/meetings/mboss98/> or contact: [rwest@eso.org](mailto:rwest@eso.org) for more information or one of the SOC members.

1271. P.A. Woudt et al.: Multiwavelength Observations of a Seyfert 1 Galaxy Detected in ACO 3627. *A&A*.  
1272. E. Tolstoy et al.: WFPC2 Observations of Leo A: A Predominantly Young Galaxy within the Local Group. *The Astronomical Journal*.  
1273. Th. Rivinius et al.: Stellar and Circumstellar Activity of the Be Star  $\mu$  Cen. II. Multiperiodic Low-Order Line-Profile Variability. *A&A*.

DICHIRICO, Canio (I), Temporary transfer to Paranal  
GIORDANO, Paul (F), Temporary transfer to Paranal  
DOUBLIER, Vanessa (F), Fellow La Silla  
PATAT, Ferdinando (I), Fellow La Silla  
MARCO, Olivier (F), Fellow La Silla  
VANZI, Leonardo (I), Fellow La Silla  
SELMAN, Fernando (RCH), Associate

## PERSONNEL MOVEMENTS

### International Staff (1 April – 30 June 1998)

#### ARRIVALS

##### EUROPE

MØLLER, Palle (DK), User Support Astronomer  
TOLSTOY, Eline (NL), Fellow Garching

##### CHILE

FRANÇOIS, Patrick (F), Astronomer  
STERZIK, Michael (D), Astronomer

#### DEPARTURES

##### EUROPE

HERLIN, Thomas (DK), Software Engineer  
HESS, Matthias (D), Mechanical Engineer  
VAN DIJSELDONK, Anton (NL), Opt. Lab. Technician  
KAPER, Lex (NL), Senior Fellow Garching  
BÜTTINGHAUS, Ralf (D), Mechanic  
CRANE, Philippe (USA), Astronomer/Physicist

##### CHILE

GREDEL, Roland (D), Astronomer  
KRETSCHMER, Gerhard (D), Mechanical Engineer