

International Conference on

## Relativistic Astrophysics and Cosmology – Einstein’s Legacy

November 7–11, 2005, Munich, Germany

100 years ago Albert Einstein published three seminal papers on the theories of special relativity, of the photoelectric effect and of Brownian motion, which made the world call the year 1905 the miraculous year. Together with Einstein’s theory of general relativity fundamental building blocks were provided for modern astrophysics and cosmology and can thus be considered as a true legacy to mankind.

The conference “Relativistic Astrophysics and Cosmology – Einstein’s Legacy” will give an overview on recent progress in relativistic astrophysics and cosmology. It will be one of the final highlights of the “International Year of Physics” and the German “Einstein Year”.

Scientific themes are:

- Gamma-Ray Bursts – the Creation of Black Holes?
- Neutron Stars, Black Holes, Micro-quasars
- The Galactic Centre and Supermassive Black Holes in Galaxies
- Active Galactic Nuclei, Feeding and Feedback
- Gravitational Wave Astrophysics
- Clusters of Galaxies and Large-Scale Structure
- Dark Matter and Dark Energy – Einstein’s greatest triumph?

Invited speakers:

Roger Blandford, Jürgen Ehlers, Neil Gehrels, Reinhard Genzel, Riccardo Giacconi, Piero Madau, Felix Mirabel, Lyman Page, Sterl Phinney, Edward L. Wright.

Scientific Advisory Committee:

Roger Blandford, Jürgen Ehlers, Reinhard Genzel, Günther Hasinger (Chair), Bruno Leibundgut, Gernot Neugebauer, Martin Rees, Hans-Walter Rix, Peter Schneider, Bernard F. Schutz, Rashid A. Sunyaev, Joachim Trümper.

Further information and registration:

[www.mpe.mpg.de/~e05/](http://www.mpe.mpg.de/~e05/)

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## Latin American Astronomy Summer School

December 8–10, 2005, Santiago, Chile

ESO – the European Organisation for Astronomical Research in the Southern Hemisphere – and the Sociedad Chilena de Astronomía (SOCHIAS) are organising a Latin American Astronomy Summer School. It will take place from December 8–10, 2005, the week before the Regional Meeting of the International Astronomical Union to be held on December 12–16, 2005 in Pucon, Chile (~ 800 km South of Santiago).

The aim of this multi-thematic Latin American School is to provide students and young researchers exposure to different front-line areas of research presented by major players in promoting and/or executing those areas. The lectures will have a pedagogical character.

The lecturers are:

Malcolm Longair (Cambridge University, UK), Bob Williams (STScI, USA), Gloria Dubner (IAFE/CONICET, Argentina), Pat Osmer (Ohio State University, USA), Luis Felipe Rodriguez (UNAM, Mexico), Dante Minniti (Pontificia Universidad Católica, Chile), Felix Mirabel (ESO, Chile).

The lectures will cover the following themes:

- Extrasolar planets
- Star Formation and the Interstellar Medium
- Supernovae
- Black Holes
- Evolution of Galaxies.
- Distant Quasars
- The Deep Universe

This School is sponsored by:

ESO, SOCHIAS, and the I. Municipalidad de Vitacura.

Local and Scientific Organising

Committee members are:

Felix Mirabel (ESO – Chair), Monica Rubio (Universidad de Chile), Dante Minniti (Pontificia Universidad Católica, Chile), Maria Eugenia Gomez (ESO), and Andrea Lagarini (ContactChile Comunicaciones).

The School e-mail is [school2005@eso.org](mailto:school2005@eso.org).

Interested participants should fill in the preregistration form at the webpage link: [www.sc.eso.org/santiago/science/LASS2005/](http://www.sc.eso.org/santiago/science/LASS2005/)

There is no registration fee, and limited funds may be available to cover local expenses in Santiago. The School announcements will be posted; check for updates at: [www.sc.eso.org/santiago/science/LASS2005/](http://www.sc.eso.org/santiago/science/LASS2005/)