The Galileo Galilei Institute for Theoretical Physics
Arcetri, Florence

SIGRAV Graduate School on "Experimental Gravitation in Space"
September 25-27, 2006

The Italian Society of General Relativity and Gravitational Physics (SIGRAV) is organizing an International School on Experimental Gravitation in Space, with the goal of providing young physicists and engineers with an overview of current and future space projects in fundamental physics. The bulk of the lectures will focus on clocks, solar system tests and theoretical foundations. Due attention will be given also to the challenging engineering aspects of fundamental physics missions. The ongoing, large experimental projects (GAIA, GP-B, and LISA) will be presented in dedicated seminars.

The number of participants is limited to 60. Applications including a CV should be submitted before July 15, 2006.

The participation fee is 150 Euro including lunches and social dinner. Registration form and hotel information are available on the web page http://www.fi.infn.it/GGI-grav-space/egs_s.html.

The School will be followed by the International Workshop on **ADVANCES IN PRECISION TESTS AND EXPERIMENTAL GRAVITATION IN SPACE** organized by ESA, Physics Departement University of Firenze, GREX, SIGRAV, INFN and CNES. Information and application forms are available at the web page: http://www.fi.infn.it/GGI-grav-space/egs_w.html.

Directors of the School:
Prof. Luciano Iess (Università La Sapienza, Roma, Italy)
Prof. Guglielmo M. Tino (Università di Firenze, Firenze, Italy)

Local Organization and Secretariat:
Dr. Andrea Bertoldi
Dr. Francesca Tinelli

Programme and Lecturers:

Christophe Salomon (ENS, Paris, France)
Cold atoms, atomic clocks and interferometers

Alberto Anselmi (Alcatel Alenia Space, Italy)
Mission and spacecraft design

Slava Turishev (NASA-JPL, Pasadena, USA)
Optical interferometry, LLR and VLBI

Bruno Bertotti (Universita' di Pavia, Pavia, Italy)
Solar system tests

Luca Lusanna (INFN, Firenze, Italy)
Relativistic effects and non inertial frames

Seminars on GAIA, GP-B and LISA

GGI: http://www.fi.infn.it/GGI/