

PROGRAM OF WHEELER PRIZE CEREMONY AND LARES 2 WORKSHOP

Monday 30 May

10:30-12:30 at the Auditorium of the Italian Space Agency (ASI)

Wheeler Prize Ceremony

Welcome address of:
president of ASI, **Giorgio Saccoccia**,
science director of ASI, **Mario Cosmo**,
head manned flights of ASI, **Barbara Negri**
launcher director of ESA, **Stefano Bianchi**,
president of AIDAA, **Erasmus Carrera**,
INAF and other aerospace institutions and
industries

Recipients of the Wheeler Prize, in
alphabetical order:

Igor Novikov
Roger Penrose
Kip Thorne

Lunch buffet at “Casina Macchia Madama”
(with view of Rome from Monte Mario hill)

15:30-18:30

Round table on time and time-travel

Chair: **Richard Matzner**

with, in inverse alphabetical order:

Kip Thorne
Roger Penrose
Igor Novikov
Paul Davies
et al.

International Organizing Committee

Vahe Gurzadyan, Rolf Koenig, Sergei
Kopeikin, Richard Matzner, Erricos C.
Pavlis, John Ries.

Chair: **Ignazio Ciufolini, Antonio Paolozzi**

Tuesday 31 May

10:00-13:00 at Grand Hotel Gianicolo

General Talks

Chair: **Richard Matzner**

with, in inverse alphabetical order

Kip Thorne: “Just Crazy Enough to Be
Right: John Archibald Wheeler”

Roger Penrose: Title to be communicated

Igor Novikov: "The time machine and the
Principle of Self-Consistency"

Paul Davies: “Wormholes, time travel and
the search for ET”

Lunch buffet

14:30-18:30 at Grand Hotel Gianicolo

Tests of General Relativity

Chair: **Barbara Negri**

Slava Turishev: “Advanced High-power
Laser Ranging for precision science
investigations”

Ignazio Ciufolini: “Tests of frame-dragging
with LAGEOS, LARES and LARES 2”

Erricos Pavlis: “The Latest Realization of
the Terrestrial Reference Frame and its
Impact on SLR Analysis”

Coffee Break

Angelo Tartaglia: “Gravito-magnetic
effects from the dark halo of the Milky
Way: can we measure it using spacecraft
around the Earth and/or in the Solar
system?”

Sergei Kopeikin

“Measurement of retardation of gravity,
bending of light and gravitomagnetism in
double pulsar”

Wednesday, June 1	Thursday, June 2	Friday, June 3
<p>10:00-13:00 at Grand Hotel Gianicolo</p> <p><u><i>Astrophysics and Cosmology</i></u></p> <p>Chair: Sergei Kopeikin</p> <p>Vahe Gurzadyan: “Cosmological constant, time arrow, gravity constants“</p> <p>Marco Tavani: <i>TBD</i></p> <p>Dmitry Novikov: "Prospects for Detecting CMB Frequency Spectral Distortions by a Space Telescope"</p> <p>Claus Laemmerzahl: <i>TBD</i></p> <p>Massimo Bianchi: "Chronology and causality in string theory"</p> <p>Buffet</p> <p>14:00-19:00</p> <p><u><i>Special Archaeological Tour</i></u> at Via Appia Antica: Villa di Massenzio, Circus of Massenzio, Monument of Cecilia Metella and Villa dei Quintilii, with a professional guide.</p> <p>20:00 <i>Special Banquet</i></p>	<p>11:30-13:00 at a conference hall of Sapienza University of Rome where it is exposed the rocket that launched Uhuru which detected the <u>Cygnus X-1 black hole</u></p> <p>Chair: Vahe Gurzadyan</p> <p>Richard Matzner: “Fully relativistic approach to global navigation systems”</p> <p>Slava Turishev: “Direct Multipixel Imaging and Spectroscopy of Exoplanets with a Mission to the Focal Region of the Solar Gravitational Lens</p> <p>Antonio Paolozzi: “The LARES and LARES 2 laser-ranged satellites”</p> <p>Free afternoon</p>	<p>10:30-13:00 at a conference hall of Sapienza University</p> <p><u><i>Meetings of the working teams</i></u></p> <p>13:00 Conclusion of the workshop</p> <p>Lunch</p>