

## Registration Fee

The registration fee for participants registering before 1 May 2004 will be 180 €. It will cover conference admission, programme materials, conference proceedings and refreshment breaks. After TBD 2004, the registration fee will be TBD €.

## Accommodation

Accommodation can be booked through the ESTEC Hotel Reservation Service at special ESTEC rates. As the summer months are high season in Noordwijk early reservations are highly recommended.

ESTEC Hotel Reservation Service:

Tel: +31 71 565 5858

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## Local Conference Organization

ESTEC Conference Bureau

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2200 AG Noordwijk, The Netherlands

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Fax: +31 71 565 5658

email: [confburo@esa.int](mailto:confburo@esa.int)

## Location

ESTEC is the largest of the five ESA centres and is located on the coast, about 30 km to the southwest of the Amsterdam International Airport Schipol. For travel information to ESTEC, please see [www.estec.esa.nl](http://www.estec.esa.nl).

## Scientific Programme Committee

S. Buchman (Stanford, USA)  
P. Bender (JILA, USA)  
A. Brillet (Obs. de la Côte d'Azur, France)  
M. Cerdonio (Univ. di Padova, Italy)  
M. Cruise (Univ. of Birmingham, UK)  
C. Cutler (AEI, Germany)  
L.S. Finn (PennState Univ., USA)  
B. Folkner (JPL, USA)  
A. Gimenez (ESA)  
J. Gundlach (Univ. of Washington, USA)  
C. Hogan (Univ. of Washington, USA)  
J. Hough (Glasgow University, UK)  
A. Lobo (Spain)  
S. Phinney (Caltech, USA)  
T. Prince (Caltech/JPL, USA)  
D. Richstone (Univ. of Michigan, USA)  
B. Schutz (AEI, Germany)  
D. Shoemaker (MIT, USA)  
R. Stebbins (GSFC, USA)  
T. Sumner (Imperial College, UK)  
P. Touboul (ONERA, France)  
K. Thorne (Caltech, USA)  
K. Tsubono (Univ. of Tokyo, Japan)  
S. Vitale (Univ. di Trento, Italy)  
S. Volonte (ESA)

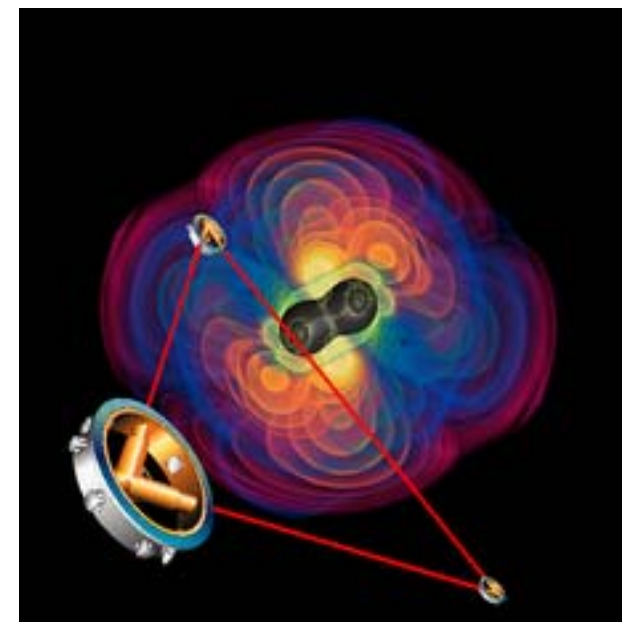
## Symposium Secretary

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## 38<sup>th</sup> ESLAB Symposium

## 5<sup>th</sup> International LISA Symposium

### First Announcement



European Space Research and  
Technology Centre (ESTEC)

Noordwijk, The Netherlands  
12 – 16 July 2004

## Background

Each year the Research and Scientific Support Department (RSSD) of ESA, in the early years called ESLAB, organizes an 'ESLAB Symposium' on a topic related to one of ESA's space science missions. In 2004, the 38<sup>th</sup> ESLAB Symposium is for the first time devoted to Fundamental Physics and quite appropriately to the most important mission in this field, LISA and the technology demonstrator LISA Pathfinder.

LISA (Laser Interferometer Space Antenna) is a joint ESA/NASA mission to detect and observe gravitational waves in space. It consists of three spacecraft, forming an equilateral triangle with an armlength of 5 million kilometres, defined by free-falling test masses inside the spacecraft and measured interferometrically to picometre accuracy.

Complementing the ground-based detectors that have a sensitivity down to about 10 Hz, LISA will be able to detect gravitational waves in a frequency band from 0.1 mHz to 0.1 Hz, ensuring the observation of many known sources of gravitational waves with a signal-to-noise ratio of several hundred and allowing to test General Relativity and the physics of Black Holes with unprecedented precision.

The technology demonstrator mission LISA Pathfinder will accommodate two experiments, one from the US and one from Europe, to demonstrate the performance of the free-falling test masses to within a factor of ten of the LISA requirements.

The launch of LISA Pathfinder is planned for 2007, the launch of LISA about five years later.

## The Conference

The International LISA Symposium is a biennial event with the venue alternating between the US and Europe. The Symposium serves as a focal point for the wider scientific and engineering community involved in LISA and the technology demonstrator LISA Pathfinder.

The 5<sup>th</sup> International LISA Symposium will be held in conjunction with the third trilateral ESA/ESO/CERN meeting on Fundamental Physics and Cosmology, which will include some LISA overview talks.

## Programme

The Symposium's programme includes five major topics:

- Astrophysics of the Sources
- LISA Technology
- Data Analysis for LISA
- Modeling and Simulation
- Ground-based Interferometers and Bars

The programme will comprise invited talks, solicited talks and a poster session.

## Schedule

- Monday, 12 July — Tuesday, 13 July a.m.  
Trilateral ESA/ESO/CERN Symposium
- Tuesday, 13 July pm — Friday, 16 July p.m.  
LISA Symposium

As the LISA community ties in with both the General Relativity and the COSPAR communities, the dates of the LISA Symposium have been coordinated with GR17, to be held in Dublin, Ireland (18<sup>th</sup>—24<sup>th</sup> July) and the 35<sup>th</sup> COSPAR Scientific Assembly, to be held in Paris, France (18<sup>th</sup>—25<sup>th</sup> July).

## Conference Proceedings

The proceedings of the conference will appear in a special edition of *Classical and Quantum Gravity* as peer reviewed papers.

## Further Information

For further information, please contact the Conference Secretary or the Local Conference Organization.

Information concerning GR17 can be found on [www.gr17.com.futuresite.register.com/](http://www.gr17.com.futuresite.register.com/), concerning the 35<sup>th</sup> COSPAR Scientific Assembly under [www.copernicus.org/COSPAR/COSPAR.html](http://www.copernicus.org/COSPAR/COSPAR.html).