

The Royal Astronomical Society
2003 FEBRUARY 14
in the
**SOCIETY OF ANTIQUARIES OF LONDON, BURLINGTON HOUSE,
PICCADILLY, LONDON W1**

The 'A/IoP Discussion Meeting
on

“GRAVITATIONAL-WAVE ASTRONOMY ”

Summary: The detection of gravitational waves - predicted by General Relativity to result from the non-symmetrical acceleration of mass - is expected soon to open up a new branch of astronomy. This review and discussion meeting should be of broad interest to experimental and theoretical scientists involved in such diverse areas as gravitational physics, cosmology, general relativity, astronomy, precision metrology and space science.

Organisers:

Dr Harry Ward (Glasgow) harry@astro.gla.ac.uk

and

Professor Jim Hough (Glasgow) j.hough@physics.gla.ac.uk

10:00 Registration and Coffee

Morning Session

Chair: Dr Harry Ward (Glasgow)

10:30 Dr Harry Ward (Glasgow)

“Welcome”

10:35 Professor Prof Bernard Schutz (Max-Planck-Institut für Gravitationsphysik, Albert-Einstein-Institute, Golm, and Cardiff):

“Sources of gravitational waves”

11:15 Dr Nergis Mavalvala (MIT):

“The US LIGO project”

11:50 Dr Ken Strain (Glasgow):

“The UK role in ground based gravitational wave detection”

12:25 B S Sathyaprakash (Cardiff):

“International data analysis for gravitational wave detectors”

12:45 Prof Filippo Menzinger (Director of EGO - European Gravitational Observatory, Cascina (Pisa), Italy):

“EGO – an advanced ground-based gravitational wave detector for Europe”

13:00

Lunch

Afternoon Session

Chair: Professor Jim Hough (Glasgow)

14:00 Professor Dr Karsten Danzmann (Max-Planck-Institut für Gravitationsphysik, Albert-Einstein-Institut) Hannover and University of Hannover):

“The LISA mission”

14:35 Dr Diana Shaul (Imperial College):

“SMART 2 – a demonstrator mission for LISA”

15:00 Dr Nils Andersson (Southampton):

“General relativistic astrophysics”

15:25 Professor Jim Hough (Glasgow):

“Closing Remarks”

15:30

Tea

Following the Discussion Meeting everyone is invited to attend the Anniversary Meeting of the Royal Astronomical Society which will be held at the Geological Society at 16.00 and will include the Presidential Address

Coffee and tea will be provided at 10:00 and 15:30 respectively and a simple lunch will be available for purchase at 13:00
A Drinks Party will be held from 18:00 to 19:00 at the Apartments of Burlington House cost just £1.00 per head