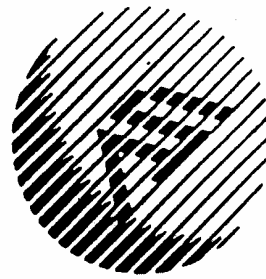


DRAFT PROGRAMME DOCUMENT 1.0

**IAA ASIA-PACIFIC REGIONAL CONFERENCE ON
“ADVANCES IN PLANETARY EXPLORATION”
(IN CONJUNCTION WITH IISL CONFERENCE ON
“BRINGING SPACE BENEFITS TO THE ASIA-PACIFIC REGION”)**

**June 26 – 29, 2005
Bangalore, India**



ORGANISED BY:

**ASTRONAUTICAL SOCIETY OF INDIA (ASI), BANGALORE
INTERNATIONAL ACADEMY OF ASTRONAUTICS (IAA), PARIS**



ORGANISING AND SPONSORING AGENCIES

INDIAN SPACE RESEARCH ORGANIZATION (ISRO)



INTERNATIONAL ACADEMY OF ASTRONAUTICS



INTERNATIONAL INSTITUTE OF SPACE LAW



ASTRONAUTICAL SOCIETY OF INDIA



ANTRIX CORPORATION



VENUE: HOTEL ATRIA

SUNDAY: JUNE 26, 2005

| | |
|--------------|---|
| 1030 – 1530 | Registration Open |
| 1100 – 1300 | IAF-2007 Committee of ASI: Meeting with President(s) of IAA and IISL |
| 1400 – 1500 | IAA Programme Committee meeting (Conclave) IISL Programme Committee meeting (Board Room) |
| 1500 – 1600 | Joint meeting of IAA and IISL Programme Committees with Local Organising Committee |
| 1900 onwards | Reception & Dinner for IAA/IISL Conference (Hotel Atria) |

MONDAY: JUNE 27, 2005


| | |
|-------------|---|
| 0930 – 1100 | Inaugural Session |
| 1130 - 1300 | Opening Plenary: Planetary Exploration – Technological Challenges and Legal Implications (Joint Plenary Session) (Chancery) |
| 1400 – 1530 | Outreach to Planets – Scientific and Technological Issues Technologies (Chancery) |
| 1600 – 1730 | Interest in the Moon – USA, Europe, Japan, India, China and others (Chancery) |
| 1800 – 1900 | Popular Talk – Prof U R Rao |

TUESDAY: JUNE 28, 2005

| | |
|-------------|---|
| 0930 – 1100 | Mars and Saturn – Recent results from Mars Rover and Cassini Huygens (Chancery) |
| 1130 - 1300 | Significant results from Space Exploration missions – SOHO, Cluster and others (Chancery) |
| 1400 – 1500 | New Horizons of Space Science and Education (Chancery) |
| 1500 – 1600 | Planetary Sciences including Extra Solar Planets (Chancery) |
| 1615 – 1730 | Technical Challenges of International Cooperation (Chancery) |
| 1800 – 1900 | Popular Talk – ??? |

WEDNESDAY: JUNE 29, 2005

| | |
|--------------|---|
| 0930 – 1100 | Planetary Exploration – The Future (Chancery) |
| 1130 - 1300 | Closing Session (Chancery) |
| 1400 Onwards | Visit to ISRO Satellite Centre |



MONDAY: JUNE 27, 2005

0930 – 1100

Inaugural Session

- Welcome Remarks: KR Sridhara Murthi, Antrix
- Opening Addresses: N. Jasentuliyana (IISL)
- Keynote speech: P. Jankowitsch (IAA)
- Inauguration and Lighting Lamp
- Inaugural Address: M. Nair Chairman, ISRO “Planetary Exploration – The Technological Challenges and Legal perspectives”
- Vote of Thanks R Rajangam, ASI

1100 – 1130

Tea/Coffee Break

1130 - 1300

Opening Plenary: Planetary Exploration – Technological Challenges and Legal Implications (Joint Plenary Session) (Chancery)

Co-Chair: G Madhavan Nair, ISRO

Co-Chair: N Jasentuliyana, IISL

Co-Chair: M Yarymovych (IAA)

TBD

G Madhavan Nair, ISRO

TBD

Dr. Von der Dunk, The Netherlands

TBD

IAA Rep

TBD

IAA Rep

TBD

Prof. Art Dula, USA

TBD

N Jasentuliyayna

1300 – 1400

Lunch

1400 – 1530

Outreach to Planets – Scientific and Technological Issues Technologies (Chancery)

Co-Chair: PS Goel, India

Co-Chair: Kuninori T. Uesugi, Japan

Rapporteur: J.M. Contant, France

Exploration of the Solar System through completed missions

Gregg Vane Manager, Completed Missions and Science Instruments Office Discovery and New Frontiers Programs

MONDAY: JUNE 27, 2005

1400 – 1530

Perspectives of Planetary Exploration – Scientific Challenges and Associated Technologies (Chancery) (CONTINUED)

The Mars Program & the future of Mars Exploration; Plans and strategy for the exploration of the Outer Solar System

Dave Senske, Deputy Manager, Science Research and Analysis Program Office Deputy Project Scientist, 2001 Mars Odyssey Project

Mars Reconnaissance Orbiter (MRO): The next mission to Mars

Rich Zurek, MRO Project Scientist and Jim Graf, MRO Project Manager

TBD

India

1530 – 1600

Tea/Coffee Break

1600 – 1730

Interest in the Moon – USA, Europe, Japan, India, China and others (Chancery)

Co-Chair: George Joseph, India

Co-Chair: O. Ziyuan, China

Rapporteur: S C Chakrabarty, India

Japanese interest in the Moon

Satoshi Tanaka, Japan

TBD

CNES

TBD

China

TBD

USA

TBD

Canada

Chandrayaan-1: Technological and Scientific Challenges

Goswami, India

1730 – 1830

Popular Talk – “Challenges in Planetary Exploration”

Prof U R Rao



VENUE: HOTEL ATRIA

TUESDAY: JUNE 28, 2005

0930 – 1100

Mars and Saturn – Recent results from Mars Rover and Cassini
Huygens (Chancery)

Co-Chair: David Senske, USA
Co-Chair: G. Swarup, India
Rapporteur:

The 2001 Mars Odyssey Mission and the NASA Mars Exploration Program

Phil Varghese Project Manager, 2001 Mars Odyssey Project

(*) Mars Exploration Rovers: A new view of Mars

Jim Erikson, MER Project Manager and Joy Crisp, MER Project Scientist

(*) The Cassini Mission to Saturn

Dennis Matson, Cassini Project Scientist and Dr. Torrence Johnson, JPL Solar System Chief Scientist

Huygens probe that landed on Titan (Suggested paper)

Jean-Pierre Lebreton, Chief Scientist

1100 – 1130

Tea/Coffee Break

1130 - 1300

Significant results from Space Exploration missions – SOHO, Cluster and others (Chancery)

Co-Chair: B. Gardini, ESA
Co-Chair: TBD, India
Rapporteur: TBD

Suggested papers:

Science Highlights of SOHO

P Brekke (ESA)

SOHO Spacecraft and the Role of Industry

M. Bouffart (Astrium Toulouse)

SOHO – A Sparkler of International Science and Engineering

Prof. M. C. E. Huber (ISSI)

Cluster Mission

TBD Speaker

1300 – 1400

Lunch

TUESDAY: JUNE 28, 2005

- 1400 – 1500 New Horizons of Space Science and Education (Chancery)
- Co-Chair: S C Gupta, India
Co-Chair: JM Contant, France
Rapporteur: Prof. Back-Impallomeni, Italy
- TBD**
Piero Messina (ESA)
- TBD**
Ram Jakhu, (Canada)
- Space Science Education in Asia Pacific region – the CSSTEAP Perspective**
Karl Harmsen, UN CSSTEAP
- TBD**
Chinese Paper
- 1500 – 1600 Planetary Sciences including Extra Solar Planets (Chancery)
- Chairs: Satoshi Tanaka, Japan
Co-Chair: JN Goswami (India)
Rapporteur: (India)
- TBD**
ESA
- TBD**
R Sridharan, India
- TBD**
Japan
- 1545 – 1615 Tea/Coffee Break**
- 1615 – 1730 Technical Challenges of International Cooperation (Chancery)
- Co-Chair: A. Aldrin, USA
Co-Chair: JM Contant, IAA
- Details to be worked out.
- 1730 – 1830 Popular Talk – **TBD**
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WEDNESDAY: JUNE 29, 2005

| | |
|--------------------|--|
| 0930 – 1100 | Planetary Exploration – The Future (Chancery) Chairs: M. Yarymovych (USA) Rapporteur: R. Kline (USA) (* NASA's Mars Exploration Program Dr. Dan McCleese, JPL Mars Chief Scientist Dr. Fuk Li, JPL Mars Exploration Director JAXAs Planetary Exploration Plan Kuninori T. Uesugi, Japan TBD ESA TBD China TBD Dr Bhandari, India |
| 1100 – 1130 | Tea/Coffee Break |
| 1130 - 1300 | Closing Session (Chancery) Welcome Keynote Address by Dr K Kasturirangan, Member of Parliament, India Report of IAA Sessions by Dr PS Goel Report of IISL Sessions by Dr B N Suresh Vote of Thanks |
| 1300 – 1400 | Lunch |
| 1400 onwards | Visit to ISRO Satellite Centre |