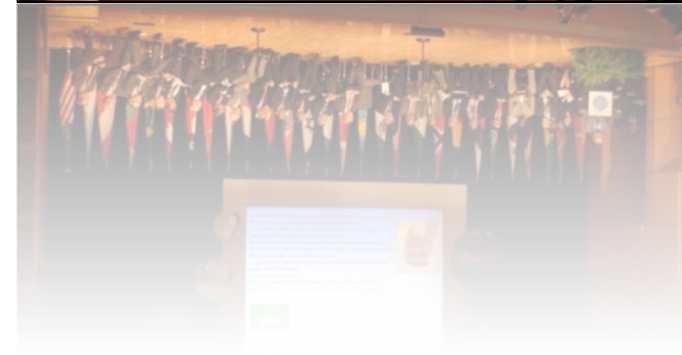


A Steppingstone for Global Space Cooperation



Dr. Rainer Sandau
Director IAA

Dr. Jean-Michel Contant
Secretary General IAA



XXII ISPRS Congress
Melbourne, Australia

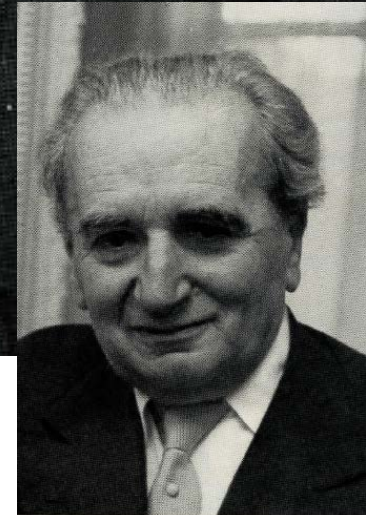
25th August

1st September 2012

International Academy of Astronautics (IAA)

Founded in Stockholm August 16, 1960

Theodore von Karman
First IAA President and
Frank J. Malina Second
IAA President, GALCIT
project before historic
JATO flights in 1941
(JPL).



IAA

**independent international community
of 1200 active leading experts
(1700 from 89 nations)**

recognized by the UN in 1996

**membership access based on highly
competitive election**

www.iaaweb.org



**Apollo 11, July 16-24, 1969,
Neil Armstrong, IAA Member
(left) commander,**

**Buzz Aldrin, IAA Member,
(right) lunar module pilot.**

**Buzz Aldrin on July 20, 1969,
completed a 2-hour and 15
minute lunar EVA**



Buzz Aldrin Washington DC, May 2011

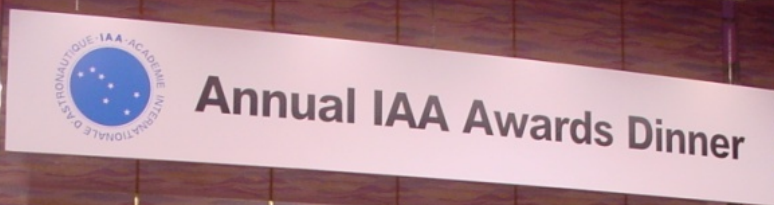


18 to 20 IAA Stand Alone Conferences Yearly

Beijing



Bangalore



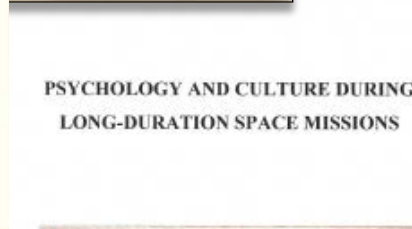
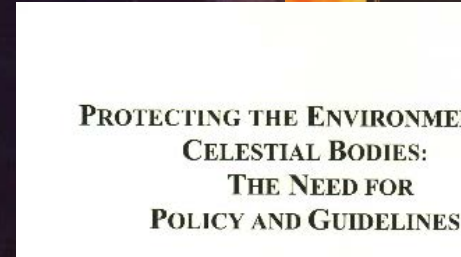
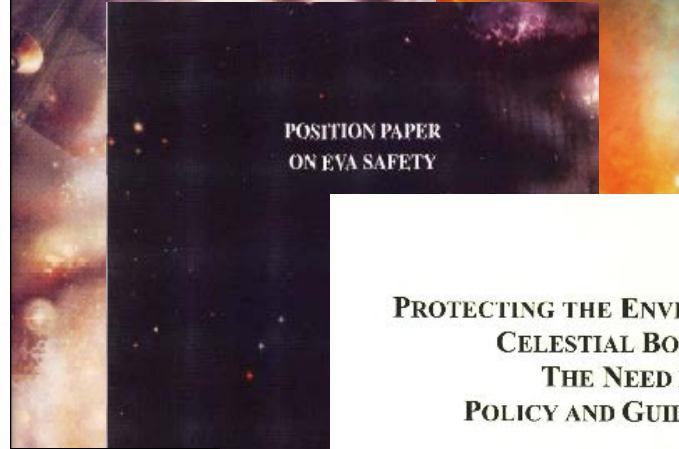
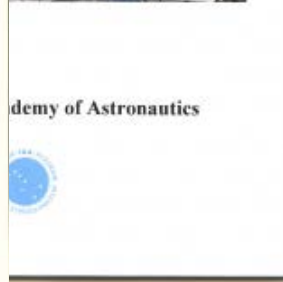
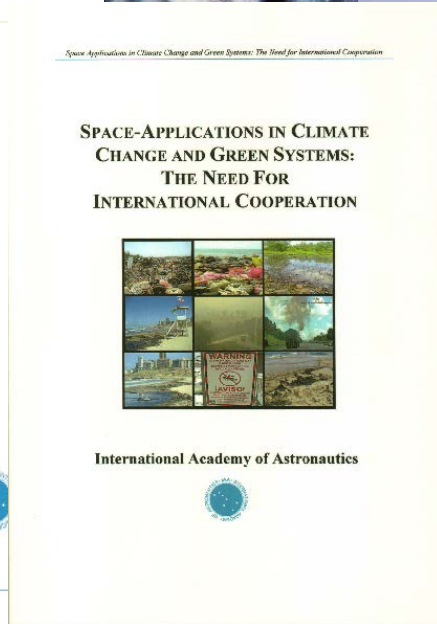
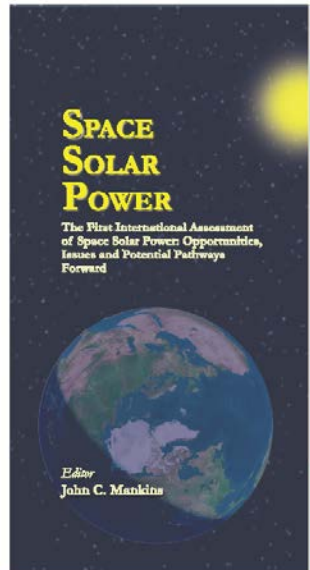
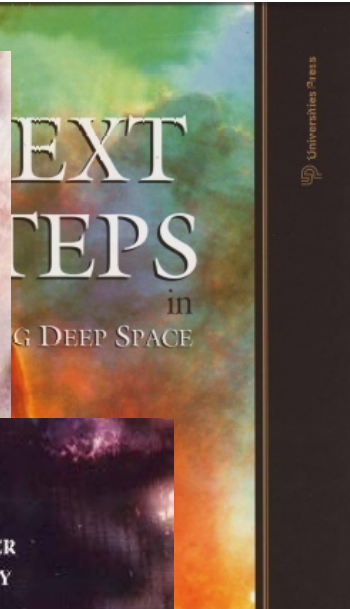
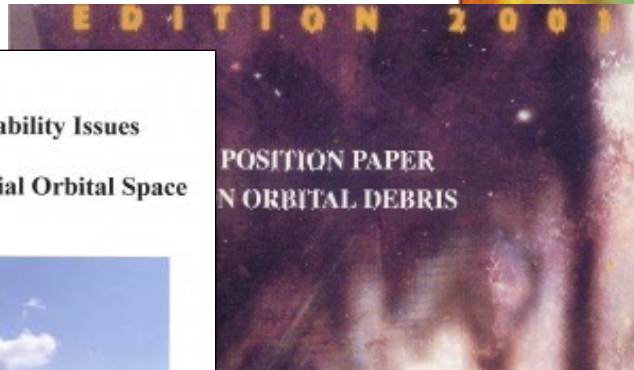
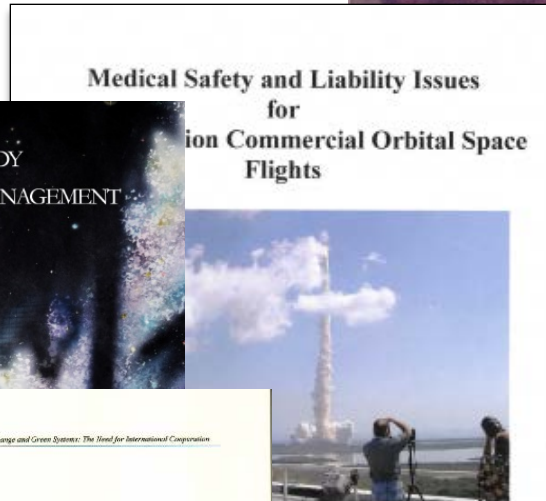
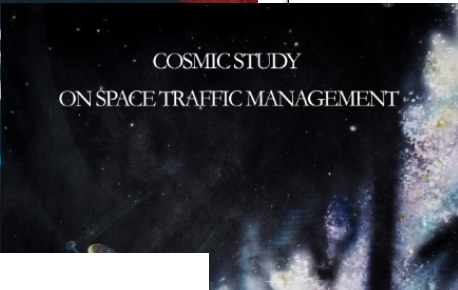
Fukuoka



Moscow



42 studies in preparation 5 published in 2011

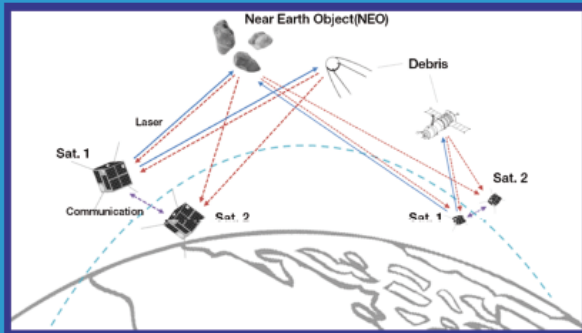


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<https://shop.iaaweb.org>

IAA Publishing House

3 new Book Series in 2012

Novel Ideas for Nanosatellite Constellation Missions



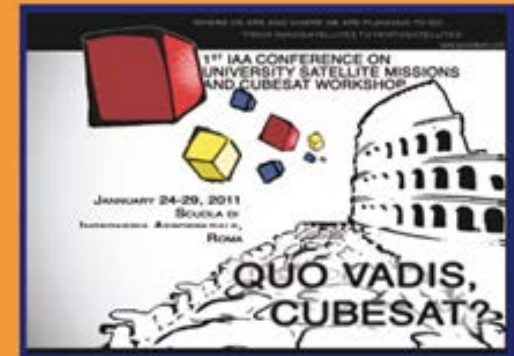
Rainer Sandau, Shinichi Nakasuka,
Rei Kawashima, Jerry Sellers (Editors)

Digital Airborne Camera Introduction and Technology



Rainer Sandau (Editor),
Xuan Wenling (Translator)

Proceedings of the 1st IAA Conference on University Satellite Mission & Cubesat Workshop



Filippo Graziani, Chantal Cappelletti (Editors)

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Historic 30 Heads Space Agencies



IAA Summit

Head of Space Agencies Summit



Many current programs are aging: ISS initiated 20+ years ago with only 8 countries, Hubble..

More than half of the current space agencies did not exist at time of ISS initiation

USA & Russia can no longer exclusively taxi to low Earth orbit

Few cooperation with new space emerging countries

Global challenges can only be solved all together

**Head of Space Agencies Summit
November 2010 in Washington
on the occasion of IAA 50th Anniversary**

How to balance new aspirations and challenge solving with existing programs/budgets and national interests/needs?

How to cooperate with large number of partners?

How to build confidence, trust, transparency?

How to share best practices?

How to ensure safe and responsible use of space?

How ISS experience leverages new cooperation?

Heads of Space Agencies

Members of the IAA Board of Trustees

France,
Czech Republic,
China (*)
Germany
India (*)
Italy,
Japan
Kazakhstan
Nigeria
Romania
Russia (*)

(*) Former Head of Space Agency

Heads of Space Agencies Elected 2012

**The Academy has welcomed among its 2012 newly elected
14 Heads of space agencies:**

**Argentina,
Canada,
Guatemala,
Israel,
Malaysia,
Mexico,
Netherlands,
Peru,
Saudi Arabia,
Thailand
UK**

Preparing a new IAA Heads of Space Agencies Summit

Top Academy priorities for 2012-2013

- Support Human Space Exploration in Low Earth orbit**
- Develop Enabling Technol. to Support Grand Challenges**
- Extend Human Spaceflight Explor. via Robotic Exploration**
- Support Coordination & Sharing of Data - Climate Change**
- Encourage Technology Development - Climate Change**
- Support Earth Observ. Systems for Disaster Management**

**IAA a Unique Elite Body
to be Catalyst for new Scale Cooperation
2010-2013**

“Together to Space to Enrich all on Earth”

To alert political decision makers

**To prepare space cooperation for the
new generations**

**The Academy is working on concrete
projects, studies, pilot projects, etc. on**

- **Robotic Space Exploration**
- **Human Spaceflight**
- **Disaster Management**
- **Climate change**



Thank you

sgeneral@iaamail.org

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Carla Thomas, ESA, S. Corvaja, UCLA,
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Tiziou/Sygma, CBS News, AIA, JAXA,
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