A Steppingstone for Global Space Cooperation

Dr. Rainer Sandau  
Director IAA

Dr. Jean-Michel Contant  
Secretary General IAA

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Melbourne, Australia  
25th August  
1st September 2012

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.
18 to 20 IAA Stand Alone Conferences Yearly

Beijing

Bangalore

Fukuoka

Moscow
42 studies in preparation
5 published in 2011

IAA Studies
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)

International Academy of Astronautics
IAA Book Series
Small Satellite - Programs, Missions, Technologies and Applications

International Academy of Astronautics
IAA Book Series
Remote Sensing of the Earth System - Science, Technologies and Applications

https://shop.iaaaweb.org
Historic 30 Heads Space Agencies

IAA 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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