



**9<sup>th</sup> IAF International Meeting  
for  
Members of Parliaments**

**Programme**

**The Seamless Chain of Innovation  
From Space Science to Business**

- Sunday 30 October 2018 -

*Bremen State Parliament*



# Parliamentary Programme

## Saturday, 29 September 2018

*All day: Arrival of participants*

**18:30 MoP Welcome Reception - ZARM Drop-tower**

## Sunday, 30 September 2018

**08:30 Welcome Coffee**

**09:00 Welcome**

- Christian Weber, President of the Bremen State Parliament
- Jean-Yves Le Gall, President, International Astronautical Federation (IAF)
- Jan Wörner, Vice President for Agency, Parliamentarians and Ministerial Relations, International Astronautical Federation (IAF)
- Klaus-Peter Willsch, Member of German Bundestag and Chairman of Aviation and Space Group, IAC 2018 host country
- Chris Schacht, Former Senator of Australia, IAC 2017 host country

**09:30 Keynote 1: *Space in Germany: A Case for Business and Science***

- Pascale Ehrenfreund, Chair of the DLR Executive Board

**09:45 Keynote 2: *SPACE 4.0: The Value of STE(A)M***

- Jan Wörner, Director General, European Space Agency (ESA) and IAF Vice President for Agency, Parliamentarian and Ministerial Relations

**10:00 Keynote 3: *Space Innovation in and for Africa***

- Valanathan Munsami, Chief Executive Officer, South African National Space Agency (SANSA) and IAF Vice President for Developing Countries and Emerging Nations

**10:15 Keynote 4: *New Actors in Space***

- Mohammed Nasser Al Ahababi, Director General, United Arab Emirates Space Agency (UAESA)



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## 10:45 Coffee Break

## 11:15 Interventions by Members of Parliaments and Discussion

### 12:00 Session 1: *Education to Business*

Space provides an endless reservoir for business opportunities. Incubation is one of the main tasks for space agencies to fulfil the promises in a more and more dynamic sector. This has to be based on an excellently educated workforce with a broad variety of skills including entrepreneurship.

#### *Presentations (10 min) and Roundtable discussion*

- Andres Jaadla, Coordinator ENVE Commission, European Committee of the Regions
- Jean-Claude Piedboeuf, Chair, IAF International Space Education Board, Canadian Space Agency (CSA)
- Thorsten Rudolph, Chief Executive Officer, Application Centre for Satellite Navigation (AZO)
- Oliver Juckenhöfel, Head of Airbus Space Site in Bremen

### 13:00 Lunch Break

- Address by Pierre Godart, CEO, Ariane Group GmbH- IAC 2018 Team Germany
- Group photo

### 14:30 Keynote 6: *UNISPACE+50 Outcomes and the Way Forward on Space 2030*

- Simonetta Di Pippo, Director, United Nations Office for Outer Space Affairs (UNOOSA)

### 14:45 Session 2: *Science to Research and Development*

The space sector is based on science meeting the highest challenges posed to research and technology development and manufacturing alike. Science as the foundation of a mature and comprehensive space effort is thus pushing R&D to also enable commercial competitiveness.

#### *Presentations (10 min) and Roundtable discussion*

- Günther Hasinger, Director of Science, European Space Agency (ESA)



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- Gilles Rabin, Director of Innovation, Applications and Science, Centre National d'Études Spatiales (CNES)
- Hansjörg Dittus, Executive Board Member for Space Research and Technology, German Aerospace Center (DLR)
- Shoji Yoshikazu, Director of the International Relations and Research Department, Japan Aerospace Exploration Agency (JAXA)

## 15:45 Coffee Break

## 16:00 Keynote 7: NASA's Exploration Campaign

- Jim Bridenstine, Administrator, National Aeronautics and Space Administration (NASA)

## 16:15 Session 3: Innovation and Regulation

Innovation is emerging from a fruitful environment, bringing together an interactive biotope of science, R&D and industry. It also has to be accompanied by a supporting legal and regulatory framework. For this, Parliaments around the world are in the lead to establish respective provisions.

### *Presentations (10 min) and Roundtable discussion*

- Marc Avila, Executive Director, Center of Applied Space Technology and Microgravity (ZARM)
- Sergio Marchisio, Professor and Chairman, European Centre for Space Law (ECSL)
- Fritz Merkle, Representative of the Board, OHB SE
- Lionel Suchet, Chief Operating Officer, Centre National d'Etudes Spatiales (CNES)
- Gabriel Swiney, Attorney Adviser, U.S. Department of State

## 17:30 Closing Remarks

- Klaus-Peter Willsch, Member of German Bundestag and Chairman of Aviation

*Moderation of the event by  
Kai-Uwe Schrogl, ESA Chief Strategy Officer*

## 17:35 Adjourn



# Parliamentary Programme

## **18:30 Joint IAF MoP and International Academy of Astronautics Dinner (IAA)**

*Dorint Park Hotel Bremen*

18:30 Welcome drink

19:00 Welcome messages from:

- Peter Jankowitsch, President of the International Academy of Astronautics (IAA)
- Jean-Yves Le Gall, President of the International Astronautical Federation (IAF)
- Senator Prof. Dr. Eva Quante-Brandt, Senator of Science, Health and Consumer Protection

19:10 Introduction of the newly elected IAA Members

20:00 Address by:

- Pascale Ehrenfreund, Chair of the DLR Executive Board and IAF Vice President for Communications, Publications and Global Conferences,
- Jan Wörner, Director General, European Space Agency (ESA) and IAF Vice President for Agency, Parliamentarian and Ministerial Relations

21:30 IAA Awards:

- Books Awards
- Section Awards
- Laurels for Team Achievements
- Von Karman Award



# Parliamentary Programme

## Monday, 01 October 2018

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**08:00 – 08:30 VIP Gathering** – *Exhibition & Conference Center Bremen, IP Hall*

**09:00 – 10:30 IAC 2018 Opening Ceremony** – *ÖVB Arena* (reserved seats for MoPs)

**10:30 – 11:30 Opening of the IAC 2018 Exhibition and VIP Tour**

- Gathering at the entrance of the Exhibition Hall
- Opening and Tour through the Exhibition
- End of visit at the DLR Booth

**12:00 – 13:00 VIP Luncheon sponsored by EUMETSAT** - *ÖVB Olbers*

**13:15 – 14:45 Plenary Event 1: Heads of Space Agencies** “*Involving Everyone- What is new for Space Agencies?*” – *DLR Hall*

**15:00 – 16:00 Free time to visit the Exhibition**

**16:00**            **Gathering at the “Meeting Point”** in the foyer of the Central Area for transfer to the reception

**16:30 – 17:30 Reception “The Earth from outer Space”** hosted by the Mayor of Bremen, Dr. Carsten Sieling – *Bremen Town Hall*

**17:30**            **Transfer to the Exhibition and Conference Center Bremen**

**18:15 – 19:30 Plenary Event 2: Host Plenary** “*How to live and work on ISS, Moon and Mars*” – *DLR Hall*

**19:30 – 22:30 IAC 2018 Welcome Reception** - *Festival Hall*

## Tuesday, 02 October 2018

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**08:30 - 14:00 MoP Technical Visit**

08:00 **Gathering Point** in the foyer of the Central Area of the Exhibition and Conference Center Bremen



# Parliamentary Programme

09:00 - 10:30 **ZARM Tour**

*At choice*

10:30 - 14:00 **Tour to DLR and OHB**

14:00 Transfer to IAC 2018 Venue

*Alternatively*

10:30 - 13:30 **Tour to Airbus and ArianeGroup**

13:30 - 14:00 Transfer to IAC 2018 Venue

**15:00 Team Germany Reception – Exhibition hall, Booth D20**

**19:00 - 22:00 German Night (on invitation only)**

*Dorint Park Hotel Bremen*

## Address Information

Recommended Hotel: **Atlantic Grand Hotel Bremen**  
**Dorint Park Hotel Bremen**

MoP Venue: **Bremen State Parliament**  
*Am Markt 20, 28195 Bremen*

IAC Venue: **The Exhibition & Conference Center Bremen**  
*Central Area, Findorffstraße, 28215 Bremen, Germany*