



**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



IAF IDEA “3G” Diversity Day

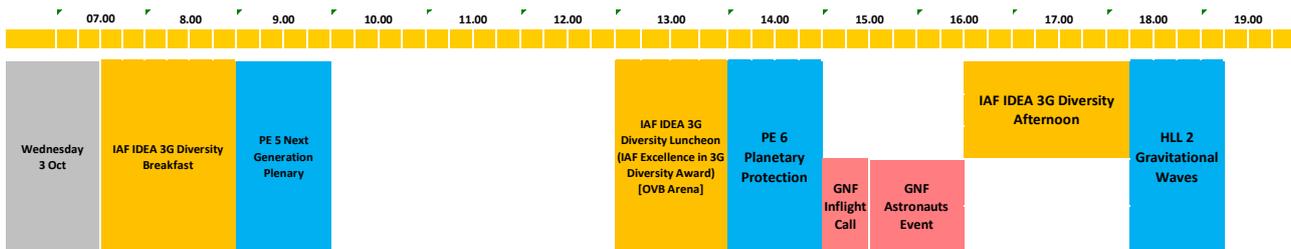
during

IAC 2018 in Bremen, Germany
(Wednesday 3 October 2018)

Overall Schedule:

The IAF 3G Diversity Day at IAC 2018 consists of 3 main events:

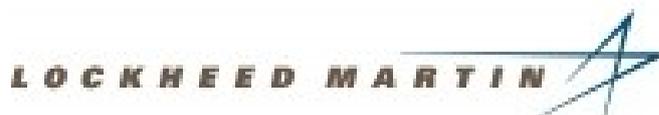
- IAF IDEA 3G Diversity **Breakfast** (7:00 – 8:30, OVB Arena, Olbers)
- IAF IDEA 3G Diversity **Luncheon** (12:30 – 13:30, OVB Arena Olbers)
- IAF IDEA 3G Diversity **Afternoon** (16:00 – 17:45, OVB Arena, Olbers)



Master of Ceremony and Moderator: Mary Snitch, IAF VP for Diversity Initiatives



Sponsored by





IAF IDEA “3G” Diversity Breakfast

(07:00 – 08:30, OVB Arena, Olbers)

Programme:

07:00 – 07:05 Introduction to IAF IDEA 3G Diversity Day by Moderator, **Mary Snitch**

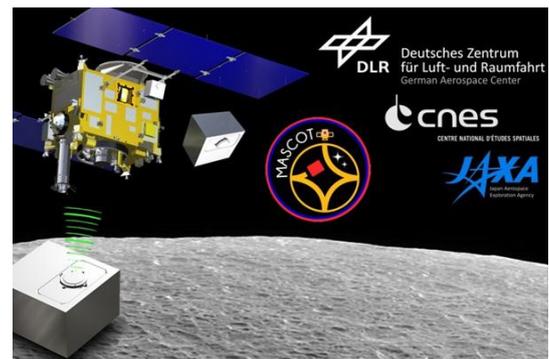


07:05 – 07:10 Welcome by IAF President, **Jean-Yves Le Gall**



07:10 – 07:30 **An International Asteroid Endeavour – A Splendid Achievement of International Cooperation and Excellent Example of Geographical Diversity**

Hayabusa2 is an asteroid sample return mission of the Japanese Space Agency (JAXA); its aim is to learn more about the nature and composition of near Earth asteroids and the origin and evolution of our Solar System. The MASCOT lander (Mobile Asteroid Surface Scout) - developed by the German Aerospace Center DLR and built in close cooperation with the French Space Agency CNES – is on board the Japanese Hayabusa2 spacecraft. In the very early hours of 3 October 2018, it will touch down on the C-type near-Earth asteroid Ryugu. For about 16 hours, four instruments (camera, radiometer, magnetometer, spectrometer) will be operated on the asteroid’s surface. In addition, MASCOT is able to ‘hop’ around on the surface and take measurements in several places. This will be the first time that a lander was especially built to operate on an asteroid surface and the first time that data will be collected at more than one site on an asteroid’s surface. The international effort of the asteroid sample return mission Hayabusa2, the MASCOT lander and possibly the confirmation of touchdown will be announced by the following speakers:



- **Pascale Ehrenfreund**, Chair of the Executive Board of DLR



- **Jean-Yves Le Gall**, President of CNES



- **Hiroshi Yamakawa**, President of the Japan Aerospace Exploration Agency JAXA





**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



07:30 – 08:00 How to Engage the very Young Generation? – ESA’s Kid’s Weightless Dreams Campaign

In August 2018 ESA helped to provide children with disabilities the opportunity to experience weightlessness and lunar gravity on aircraft flights. Eight children from five ESA member states – UK, France, Germany, Belgium, and Italy – boarded the converted Airbus A310 in Bordeaux, France on 24 August as part of the Kid’s Weightless Dreams campaign organised by Novespace and Reves de Gosse. The children also took part in science demonstrations, including lighting a candle, mixing liquids of different densities, playing ping-pong with bubbles of water and working a fidget spinner to demonstrate the effects of microgravity.



Joining the children were ESA astronauts from their corresponding member states: Tim Peake (UK), Frank De Winne (Belgium), Maurizio Cheli (Italy), Thomas Reiter (Germany), Claudie Haigneré (France) and Jean-Francois Clervoy (France) were on board to mentor the children and answer their questions. Two disabled adults, former athlete and German television personality Samuel Koch, a strong advocate for disabled causes, and Philippe Carette, a very active Rêve de Gosse volunteer, also took part in the flight.

ESA Director General **Jan Woerner** joined the Kid’s Weightless Dreams flight and will welcome one of them, **Paula Monfeld** (from Cologne), to talk with her about this exceptional experience. Also joining the event will be ESA astronaut and former ESA Director of Human Spaceflight **Thomas Reiter**, who had accompanied Paula at this flight experience.





**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



08:00 – 08:15 UNOOSA’s “Space for Women” – Project

UNOOSA is looking for partners for the implementation of the activities developed during the “Space for Women” - Expert Meeting held in October 2017 in New York to answer the recurring questions of:

- How to attract more women for space?
- What can women do for space?
- What can space do more for women?
- What do women need from space?

With a special focus on Sustainable Development Goals 4 (Quality Education) and 5 (Gender Equality) this project seeks to promote the critical role of women in the implementation of all the Sustainable Development Goals (SDG) as many targets specifically recognizing women’s equality and empowerment as both the objective, and part of the solution.



The “Space for Women” project will facilitate the strengthening of the awareness, capacity and skills of individuals and institutions related to the importance of promoting gender equality in the space sector and its fundamental educational fields.

Simonetta di Pippo, Director of UNOOSA, will give a keynote on the project and its current status focusing on:

- Space for Women
- Importance of inclusion, equality and empowerment
- Networking and importance of role models and the possible established champions programme under “Space for Women”
- Some personal experience



08:15 – 8:30 Lockheed Martin Early Career Role Models



Keynote Speech by 2 Lockheed Martin Early Career Females:

- **Danielle Richey**, Space Exploration Architect, LMC
- **Kat Coderre**, Systems Engineer, LMC





**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



Excellence in “3G” Diversity Award Luncheon

**(12:30 – 13:30, OVB Arena, Olbers)
(Participation is by Invitation only!)**

The IAF Excellence in “3G” Diversity Award recognizes IAF member organisations (industry, government, academia) worldwide for outstanding contributions to the fostering of “3G” (Geography, Generation, Gender) Diversity within the space sector.

At IAC 2018 this award will be given for the second time. This year’s winner of this award is the **Space Generation Advisory Council (SGAC)**. This Luncheon is dedicated to the award ceremony for the “2018 IAF Excellence in 3G Diversity Award”.

Programme:

12:45 – 12:50 Welcome by *Jean-Yves Le Gall*, IAF President



12:50 – 12:55 Introduction of the IAF 3G Diversity Award
Mary Snitch, IAF VP for Diversity Initiatives



12:55 – 13:00 Award Ceremony and Photo

13:00 – 13:15 Presentation by the Award winner
Space Generation Advisory Council (SGAC)



13:15 – 13:20 Premier Presentation of joint IAF/SGAC video on
“Fostering Generational Diversity”

13:20 – 13:30 Networking





**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



IAF IDEA “3G” Diversity Afternoon

(16:00 – 17:45, OVB Arena, Olbers)

The IAF IDEA 3G Diversity Afternoon is organised in cooperation with and with participation of Young ESA, SGAC and WIA-Europe.



SPACE GENERATION
ADVISORY COUNCIL



Programme Overview:

Master of Ceremony: IAF VP for Diversity Initiatives, *Mary Snitch*



16:00 – 16:05 Welcome by IAF President, *Jean-Yves Les Gall*



16:05 – 16:30 Young ESA / SGAC Diversity Award

About the award

This competition was organized for a second year by Young ESA in cooperation with Space Generation Advisory Council (SGAC). Participants were asked to submit a video and an essay on a diversity related topic as well as their CV. The selection was done through an internal committee of ESA representatives lead by the Strategy Department.

About the winners

This years' first place Katherine Pangalos, 21 years old, of Dutch nationality and MSc in Astronautics and Space Engineering. For the first time, the second and third places are also recognized. This year, these are held by Christopher Ogunlesi and Kwasi Kkansah.

Programme

- Short Welcome by Young ESA Moderator, *Christopher Vasko*
- Welcome by ESA Director General, *Jan Woerner*
- ESA DG, *Jan Woerner* to present winners with their Awards
- Closing remarks by SGAC Executive Director, *Clementine Decoopman*
- Group photo





**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



16:30 – 16:50 WIA-E Update & Awards Ceremony

Passionate about expanding women's opportunities for leadership and increasing their visibility in the aerospace sector WIA-E is encouraging members of the space community to be part of their ever-growing network of like-minded professionals. Rich with opportunity, their various functions offer something for everyone. WIA-E offers mentoring programmes, awards, grants, training workshops, networking local groups and much more. In addition to this, both regional and central events regularly feature speakers and panel discussions on a wide range of topics of interest to the community, and keep members updated with valuable industry information such as scholarships and conferences.

Awards Background information

WIA-Europe would like to encourage and support upcoming talent – young professionals and students alike – and for this a grants programme was established. The programme provides grants of € 1000 to cover attendance at aerospace workshops and conferences and is intended to support new and young colleagues with their first experiences in presenting a paper in an international context. Applicants were selected based on their papers from all related aerospace disciplines. A grants committee of space professionals under the lead of **Chris Welch**, Professor at the International Space University, evaluated and decided on the winners. Along with the grant of € 1000 for the conference, they will also win a year-long free membership to WIA-Europe for the following year.

Programme

- Welcome and Keynote by WIA – E President and Interim Chair, **Luisella Giulicchi**
- Introduction to the WIA-E Grant programme by **Chris Welch**
- Short 5 minute presentation by Grant winner(s) about their work
- Congratulation by WIA-E Director of Professional Development, **Christina Giannopapa**
- Group photo



16:50 – 17:45 IAF IDEA Mentoring Session with Young ESA / SGAC / WIA-E & Networking reception

About the Mentoring Session

The IAF, SGAC, Young-ESA and WIA-E have joined forces for the first time to offer a joint Mentoring Session to Young Professionals with top space professionals. This speed mentoring serves as a bridge between the experienced and the incoming generation of actors in the space sector.

Programme

- Welcome by the Moderator, **Mary Snitch** (5 minutes)
- 5 Speed mentoring sessions of 9 minutes each (45 minutes)
- Summary and closing remarks by Moderators (5 minutes)



**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**
3G GEOGRAPHY • GENERATION • GENDER



Event Structure

There will be 5 tables for 6 participants and 1 mentor each.

Speed mentoring participants were selected by:

- IAF Workforce Development and Young Professionals Programme Committee – 12 participants (2 tables)
- Young ESA – 6 participants (1 table)
- SGAC – 6 participants (1 table)
- WIA-E – 6 participants (1 table)

Speed mentoring participants were selected beforehand by the host organisations. While the mentors from table to table will rotate, participants remain seated. During the event, a networking reception is offered for all spectators.

List of invited Mentors:

- IAF – **Jean-Yves Le Gall**, President
- AIRBUS – **Oliver Juckenhoefel**, Vice President On-Orbit Services and Exploration
- ESA – **Jan Woerner**, Director General
- OHB – **Fritz Merkle**, Member of the Management Board
- IISL – **Kai-Uwe Schrogl**, President



Moderators:

IAF VP for Diversity Initiatives, **Mary Snitch**

Young ESA, **Christopher Vasko**

WIA-E Director for Professional Development, **Christina Giannopapa**

SGAC Executive Director, **Clementine Decoopman**

