



**INTERNATIONAL PLATFORM FOR DIVERSITY
AND EQUALITY IN ASTRONAUTICS**

3G GEOGRAPHY • GENERATION • GENDER



IAF Diversity Activities

during

IAC 2019 in Washington D.C., United States

With the aim of promoting and advancing the principles of “3-G” (Geography, Generation, and Gender) Diversity amongst a global space community the IAF has established an International Platform for Diversity and Equality in Astronautics (IDEA). The IAF welcomes delegates to participate in the IAC Diversity Activities and benefit from an intensive and open exchange on diversity and equality aspects within the IAF, amongst IAF member organizations as well as other organizations promoting diversity.

Wednesday, 23 October 2019, will again be declared as IAF IDEA “3G” Diversity Day with two main key events focusing on different diversity aspects and using valuable networking opportunities to bring together a global IAF community, including IPC members, IAF committee members and IAF Member representatives.

On Thursday, 24 October 2019, the IAF invites all delegates to hear the story of Rhoda Shaller Hornstein, retired from the National Aeronautics and Space Administration (NASA), who will talk about “A Girl in the Man-on-the-Moon Program: Camaraderie and Discrimination in the Apollo Era”.

In addition, the IAC will host on Friday, 25 October 2019, a further “3G” Diversity event featuring a Panel and Roundtable with the Women of Aeronautics and Astronautics (WoAA) on the topic of “The First Woman on the Moon: The Women Who Are Working to Get Us There”.



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IAF IDEA “3G” Diversity Breakfast

Wednesday 23 October 2019

As an important element of the IAF “3G” Diversity Day the IAF welcomes all delegates to the IAF IDEA “3G” Diversity Breakfast sponsored by Jet Propulsion Laboratory (JPL).

The event will be opened with a welcome by the IAF President, Jean-Yves Le Gall followed by an introduction from Moderator Mary Snitch, the Special Advisor to the IAF President (Diversity Initiatives). Larry D. James, Deputy Director of JPL, will speak on behalf of JPL and share an exciting video with the audience. Furthermore, the event will feature a 3-person panel with Rukmini Roy, Rosemary Davidson and Rachael McKee – 3 female engineers currently in their degree program or very recently graduated. During the panel discussion the three women will address the important question of “What would you do to improve the diversity of the Engineering Workforce?”.

Date: Wednesday, 23 October 2019

Time: 7:00 – 8:30

Venue: The Walter E. Washington Convention Center – South Prefunction

Programme

Welcome (07:00 – 07:05)

Jean-Yves Le Gall, *President*, International Astronautical Federation (IAF), France



Moderation and Introduction to IAF IDEA “3G” Diversity Breakfast (07:05 – 07:10)

Mary Snitch, *Special Advisor to the IAF President (Diversity Initiatives)*, International Astronautical Federation (IAF), United States



Presentation by Sponsor (07:10 – 07:20)

Larry D. James, *Deputy Director*, Jet Propulsion Laboratory (JPL), United States



Panel discussion (7:20 - 7:40):

“What would you do to improve the diversity of the Engineering Workforce?”

- **Rukmini Roy**, *Aerospace Engineering Student*, Georgia Institute of Technology, United States
- **Rosemary Davidson**, *Graduate Student*, Massachusetts Institute of Technology, United States
- **Rachael McKee**, *Business Development Analyst*, Lockheed Martin Space Systems Company, United States



Concluding Remarks (07:40 – 07:50)

Mary Snitch, *Special Advisor to the IAF President (Diversity Initiatives)*, International Astronautical Federation (IAF), United States

Networking (07:50 – 08:30)

Sponsored by:





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IAF Excellence in “3G” Diversity Award Luncheon

**Wednesday 23 October 2019
(Participation is by Invitation only!)**

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

This Luncheon is dedicated to the award ceremony for the IAF Excellence in “3G” Diversity Award. At the IAC 2019 this award will be given to the **UAE Space Agency**.



The United Arab Emirates Space Agency, the first national space agency in the region, was established in 2014, and is responsible for organizing, regulating, and supporting the national space sector under federal law. This includes the oversight and funding of space missions such as the UAE’s Emirates Mars Mission’s Hope Probe, the region’s first Arab and Islamic interplanetary mission. The primary goals of the UAE Space Agency are to contribute significantly to the diversification of the national economy, enhancing the UAE’s international standing in space-related fields, and issuing policy and laws for the space sector. Space sector capacity building programmes and raising awareness of space sciences and STEM fields develop the next generation of Emiratis for leadership in the space sector.

Date: Wednesday, 23 October 2019

Time: 12:30 – 13:30

Venue: The Walter E. Washington Convention Center – South Prefunction

**وكالة الإمارات للفضاء
UAE SPACE AGENCY**



Programme

Welcome (12:30 – 12:35)

Jean-Yves Le Gall, *President*, International Astronautical Federation (IAF),
France



Introduction of the IAF Excellence in “3G” Diversity Award (12:35 – 12:40)

Mary Snitch, *Special Advisor to the IAF President (Diversity Initiatives)*,
International Astronautical Federation (IAF), United States



Award Ceremony and Photo (12:40 – 12:45)

Presentation by the Award Winner (12:45 – 13:05)

UAE Space Agency represented by:

His Excellency Dr. Ahmad Belhoul Al Falasi

Minister of State for Higher Education and Advanced Skills

Chairman, UAE Space Agency

United Arab Emirates



Networking (13:05 – 13:30)



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IAF IDEA “3G” Diversity Keynote

Thursday 24 October

As a valuable addition to the IDEA programme, the IAC 2019 will feature on Thursday 24 October a Keynote by **Rhoda Shaller Hornstein** on “A Girl in the Man-on-the-Moon Program: Camaraderie and Discrimination in the Apollo Era”. Mary Snitch, Special Advisor to the IAF President (Diversity Initiatives), will welcome and introduce this special Keynote Session with Rhoda Shaller Hornstein, the recipient of the IAF Distinguished Award in 2016.

Rhoda Shaller Hornstein reported for duty 51 years ago to the NASA Goddard Space Flight Center. As an entry level Aerospace Technologist, her role in Apollo 11 was to operate the Goddard Real Time System to record radar data from the tracking sites and use this data to update the orbit and send out acquisition messages. Rhoda Shaller Hornstein’s fondest memory of the Apollo program, especially Apollo 11, was that, with less than one year of Government service, she had the opportunity to work among the “giants” of NASA and experience firsthand the “Apollo Mentality” that guided her through 46 years at NASA. She also experienced the highs of camaraderie and the lows of discrimination. The camaraderie lasted one year until a manager asked why she was not pregnant. Thus, began the discrimination, more specifically gender harassment. This Keynote addresses how the “girl” accommodated both behaviors through the lens of the “Apollo Mentality” during her NASA career.

Date: Thursday, 24 October 2019

Time: 14:45 – 15:10

Venue: The Walter E. Washington Convention Center – Room 147B

Programme:

Welcome and Introduction (14:45 - 14:50):

Mary Snitch, *Special Advisor to the IAF President (Diversity Initiatives)*,
International Astronautical Federation (IAF), United States

Symposium Keynote (14:50 – 15:10): “A Girl in the Man-on-the-Moon Program:
Camaraderie and Discrimination in the Apollo Era”

Rhoda Shaller Hornstein, *Retired*, National Aeronautics and Space
Administration (NASA), United States





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IAF IDEA “3G” Diversity Public Day

Women of Aeronautics and Astronautics (WoAA) Panel

Friday 25 October 2019

On Friday 25 October the IAC will feature a Panel and Roundtable with the Women of Aeronautics and Astronautics (WoAA) on the topic of: “The First Woman on the Moon: The Women Who Are Working to Get Us There”. The Women of Aeronautics and Astronautics (WoAA) is a new committee within the American Institute of Aeronautics and Astronautics (AIAA), with a mission to provide support, empowerment, and networking opportunities for women and other minorities in the aerospace field, primarily focusing on university students. WoAA aims to provide outreach to primary and secondary school students, provide technical development opportunities for university students and working professionals, and support members throughout their careers.

Elena Feichtinger, IAF Manager for the Diversity Programme, will welcome the female space role models who are breaking barriers in the aerospace industry around the world. They will introduce themselves and tell their stories. The second half of the session will feature interactive roundtables, allowing for attendees to dialogue with speakers and brainstorm in small groups about how we can build a diverse aerospace workforce.

Date: Friday, 25 October 2019

Time: 10:20 – 12:00

Venue: The Walter E. Washington Convention Center – Launch Site, Exhibition Hall, Booth 3008



Programme

Welcome and Introduction (10:20 – 10:25)

Elena Feichtinger, *Manager for the Diversity Programme*, International Astronautical Federation (IAF), France

Keynote Presentation (10:25 – 10:50)

Women of Aeronautics and Astronautics (WoAA) Panel (10:50 - 11:25)

Presentation about Women of Aeronautics and Astronautics (WoAA) (11:25-11:30)

Breakout Sessions (11:30 - 12:00)

