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HOSTED BY:



IAC  
DUBAI  
2021



Inspire, Innovate & Discover  
for the Benefit of Humankind

# HIGHLIGHTS

SUPPORTED BY:





# WELCOME MESSAGE

Following the virtual IAC 2020 CyberSpace edition, the 72<sup>nd</sup> International Astronautical Congress was the first in-person IAC since the start of the pandemic, and it also marked history being the first IAC to be organized in an Arab country. The 72<sup>nd</sup> International Astronautical Congress was a very successful event held in Dubai, United Arab Emirates on 25 – 29 October 2021, hosted by the Mohammed Bin Rashid Space Centre (MBRSC).

Gathering more than 5.000 delegates from 110 countries, and 1.500 additional participants during the Public Day, the world's premier global space event exceeded every expectation by putting together an outstanding programme under the theme: *'Inspire, Innovate and Discover for the Benefit of Humankind'*.

The IAC 2021 was packed with an exciting programme and many interesting events as space stakeholders and decision-makers from all over the world gathered to discuss the achievements and future perspectives of the space dynamic sector. More than 1400 technical papers were presented in the Technical Programme. A very inspiring and informative Plenary and IAF GNF Programme was assembled, and more than 140 exhibitors joined in Dubai to showcase their organizations in the IAC Exhibition!

The International Astronautical Congress involves the entire space community and includes ~ 30 % of young professionals below the age of 35. Therefore, the IAC 2021 programme included many activities for students and young professionals and a dedicated Next Generation and Outreach Programme involving local schools and young students.

I hope you enjoy this booklet that captures the main highlights and memories of IAC 2021 in Dubai, UAE! It was wonderful to finally see everyone and meet again in-person after such a long time. The upcoming IAC in 2022 will be held in the beautiful city of Paris, France between 18 - 22 September. We are looking forward to welcoming you in Paris for yet another fantastic IAC!

**PASCALE EHRENFREUND**

President,  
International Astronautical Federation (IAF)



# MONDAY

Agency Day



*"With the theme '**Inspire, Innovate & Discover for the Benefit of Humankind**' the IAC 2021 will make a contribution to humanity and science by strengthening and enhancing international cooperation in space"*

**Pascale Ehrenfreund**  
International Astronautical Federation (IAF)

OPENING CEREMONY









*"This is a remarkable year for the space industries , since in 2021 we are celebrating the 60th anniversary of the first manned flight into space"*

**Dmitry Rogozin**  
ROSCOSMOS

# IAC

## DUBAI 2022







*"I looked over at Hazzaa and both of our eyes were just as big as they ever been, we shared that moment as we were both the rookies in space"*

**Jessica Meir**  
NASA Astronaut







# 72<sup>ND</sup> INTERNATIONAL ASTRONAUTICAL CONGR

Inspire, Innovate & Discover for the Benefit of Humankind







WELCOME RECEPTION



# TUESDAY

Industry Day



*The IAF Excellence in Industry Award has been awarded to Lockheed Martin, for their continued outstanding contributions to the growth of the world's space exploration industry*



INDUSTRY AWARD CEREMONY





*"Small satellites for regional climate monitoring has a particularly important use case because small satellites can be deployed more rapidly to study particular parts of the world at a low cost"*

**Anke Kaysser-Pyzalla**  
German Aerospace Center (DLR)







*"Mars sample return is the first stepping stone to a horizon goal that we all share to have boots on the Red Planet one day"*

**David Parker**  
European Space Agency (ESA)





*“We started to get concerned about these specks of sample floating around. As it turned out, we got so much sample that some of the larger rocks jammed open the mylar flaps”*

**Anjani Polit**  
Lockheed Martin Corporation (LMC)













# WEDNESDAY

Public Day







**Tidiane OUATTARA**  
Space Science Expert and GMES & Africa  
Program Coordinator, African Union  
Commission



**Serdar Hüseyin YILDIRIM**  
President, Turkish Space Agency (TUA)  
Turkey



**Pilar ZAMORA ACEVEDO**  
Executive Director, Colombian Space Agency  
(AEC)  
Colombia

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# IAC DUBAI



*"One of our objectives in the space domain is to get synergies between our capabilities and develop stronger cooperation with other emerging nations"*

**Carlos Augusto Teixeira De Moura**  
Brazilian Space Agency (AEB)







*"If you buy something in one country, it needs to be able to be used around the world. This means collaborating to develop shared standards and protocols to allow emergency responders to contact the relevant authorities anywhere on the planet during a rescue mission"*

**Paul Verhoef**  
European Space Agency (ESA)





- Unified system of **disaster management authorities** and the International Humanitarian community (e.g. UN).
- Operational **24/7**
- EO data delivered at **no cost** to user
- Universal Access** to grant direct access to nationally mandated users worldwide



*"This is the real beauty of space, collaborating on numerous fronts, transcending national borders and innovating to harness the power of technology to improve life on Earth"*

**Lisa Campbell**  
Canadian Space Agency (CSA)







**JPL  
JET  
PROPULSION  
LABORATORY**

*"We value diversity and inclusion in all we do, and we have made it a priority to demonstrate this commitment through our leadership and actions at the Lab"*



**EPIF  
ACADEMIC  
TEAM**



Through their ongoing She Space and She Space International programs, the EPIF team demonstrated remarkable commitment to increasing diversity in space science along all 3 "G's"



IAF IDEA "Excellence in 3G Diversity Award" winners are the Jet Propulsion Laboratory (JPL) and the Earth and Planetary Image Facility (EPIF) academic team!











TECHNICAL PROGRAMME





# THURSDAY

Science and Academic Day







*"My journey has shown myself that there is enough room for me and Zimbabwe in Space, and there is enough room for women and black women in Space"*

**Ruvimbo Samanga**  
Space Law & Policy Analyst





# IAC DUBAI 2021



مركز محمد بن راشد  
للفضاء  
Mohammed Bin Rashid  
Space Center



*"The Hayabusa2 mission is a great example of international collaboration! It could not have succeeded without the support of several other international organizations"*

**Yuchi Tsuda**  
Japan Aerospace Exploration Agency (JAXA)





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EUROPEAN SPACE AGENCY

DUBAI

Roberto  
Provata

Dunay  
Badirkhan

Stefano  
De Mey

Tim

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HOSTED BY  
مركز محمد بن راشد  
للفضاء  
HOSTED BY WASHU SPACE CENTRE







# FRIDAY

Final Day



INAC  
DUBAI  
2021





*"I couldn't see anything, I'm looking out the window kind of confused. My brain was overloaded"*

**Chris Boshuizen**  
DCVC











CLOSING CEREMONY











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