



UNITED NATIONS
Office for Outer Space Affairs



INTERNATIONAL
ASTRONAUTICAL
FEDERATION

 azercosmos

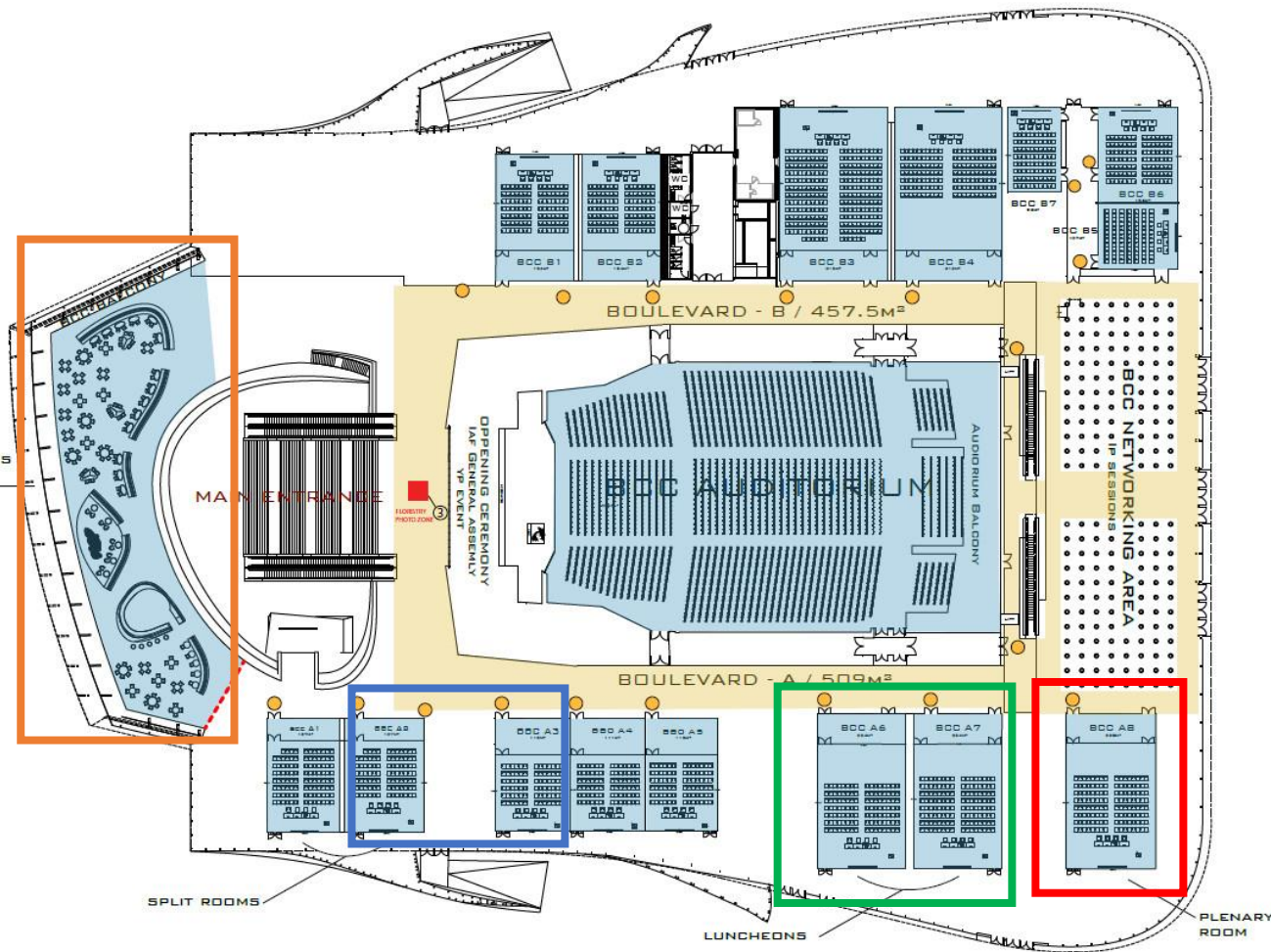
30th Workshop on Space Technology for Socio-Economic Benefits: “Challenges and Capacity-building Opportunities for Emerging Space Nations”

29 September - 1 October 2023
Baku, Azerbaijan



Setting the Scene

Logistics



- The workshop will be held in **Room A8**.
- **Coffee** and **Lunch** will be served in the joint rooms **Room A6+A7** (next door).
- The networking opportunity “Building Partnerships” will take place in **Rooms A2 and A3** (Split rooms)
- **A cocktail reception** will be served on **Day 2, Sat 30 Sep. from 18:00 at Federation Terrace**.



Wifi
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Setting the Scene

Objectives



Raise awareness of the various capacity-building efforts that are currently done in various countries and regions of the world, in particular, efforts carried out through regional/international cooperation



Share challenges and success stories of capacity-building efforts to discuss what methods are the most effective and what synergies could be applied between initiatives of different stakeholders; and



Bring together stakeholders from various government, space agencies, academia, and industry to promote partnerships



Please use the hashtag **#UNIAFworkshop** and tag **@UNOOSA @iafastro** to help us promote this event!

Setting the Scene

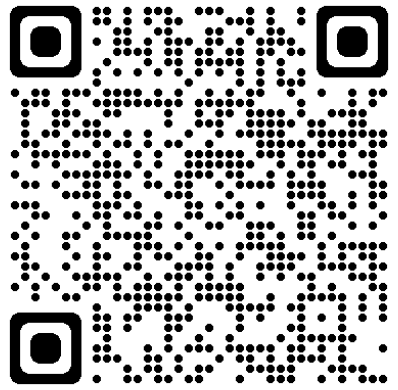
Presentations and biographies

- All presentations are published on the UNOOSA webpage. Please scroll down to the programme and click on the name.
- Speakers biographies are also published.
- If you'd rather use powerpoint than PDF to present, please bring your slides to the main computer in Room A8 **early morning before 8:45am or during the lunch session before your speaking slot.**

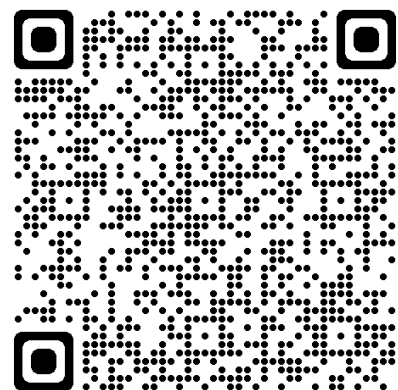
The screenshot shows the UNOOSA website with a navigation menu and a search bar. The main content area displays the workshop schedule. A table highlights the following sessions:

Time	Session Title	Chair	Panelists
13:15-14:30	4. Panel "Needs of new space-faring nations or of non-space-faring nations to develop an industry and space ecosystem"		<ul style="list-style-type: none"> Moderator: Nathalie Ricard, United Nations Office for Outer Space Affairs (UNOOSA) Panelists: <ul style="list-style-type: none"> Anna Ebehita Alkobi, Space in Africa, Nigeria Ariane Platell, QL Space, Australia George Steve Fajardo Soria, National Commission for Aerospace Research and Development (CONIDA), Peru Madin Maseeh, Maldives Space Research Organisation (MSRO) Michele Cristina Silva Melo, University of Brasilia, Brazil
14:30-16:45	5. Session "University-level education in space engineering"	Vugar Bayramov, Azercosmos, the State Space Agency of the Republic of Azerbaijan	
	Fostering space education in Azerbaijan through small satellite design program for undergraduate students	Nadir Atayev, Azercosmos, the State Space Agency of the Republic of Azerbaijan	
	The dual educational model at Mexican Space Agency (AEM): one year of challenges and lessons learned	Rigoberto Reyes Morales, Mexican Space Agency (AEM)	
	Empowering the future: building a national educational space engineering program	Diana Aljbour, Jordan University of Science and Technology	
15:15-15:45	Coffee break		
	UNISEC-Global's capacity-building programs	Rei Kawashima, University Space Engineering Consortium-Global (UNISEC-Global), Japan	
	Space engineering education programs in Kazakhstan	Abdikul Ashurov, L. N. Gumilyov Eurasian National University, Kazakhstan	
	Developing an integral space education program, based on robotics and AI, to advance the Venezuelan education system	Rogelio Morales García, Bolivarian Agency for Space Activities (ABAE), Venezuela	
	Project-oriented training and space capacity building in Iran	Behnam Sabouri, Iranian Space Agency (ISA)	
16:45-17:45	6. Panel "The United Nations Access to Space for All initiative"		

UN/IAF Workshop



Biographies book



UN Office for Outer Space Affairs



Gateway: UNOOSA - the sole UN agency dedicated to space affairs - coordinates UN activities using space-related technology to support sustainable development



Convener: UNOOSA facilitates international cooperation among UN Member States to develop new space policy



Capacity Builder: UNOOSA provides access to cutting edge space-data and information and builds capacity to use such data to accelerate sustainable development



Secretariat: Committee on Peaceful Uses of Outer Space (COPUOS)
102 Member States



UNOOSA and Space for Sustainable Development



Space for Women



Space Law for New Space Actors



UN-SPIDER



Access to Space for All



Space for Persons with Disabilities



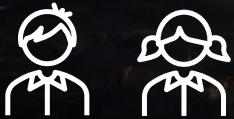
Space Economy



Space for Climate Action



International Committee on GNSS



Space for Youth



Space Sustainability



Space for Water



UNITED NATIONS
Office for Outer Space Affairs





Access to Space for All

Awardees





Hypergravity/Microgravity Track

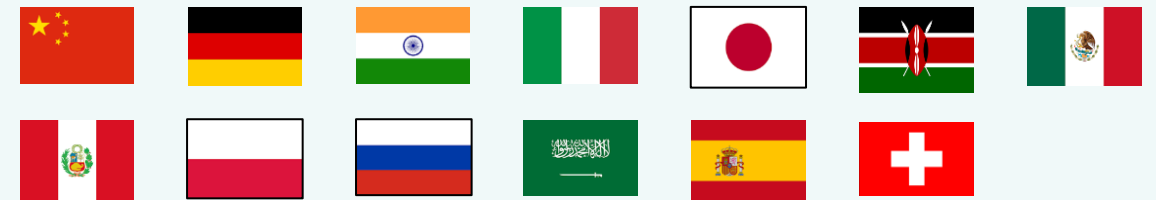
DropTES

-  **2014** German Jordanian University, Jordan
-  **2015** Universidad Católica Boliviana "San Pablo", Bolivia
-  **2016** Instituto Tecnológico de Costa Rica, Universidad de Costa Rica, Costa Rica
-  **2017** Warsaw University of Technology
-  **2018** University of Bucharest and Politehnica University of Bucharest, Romania
-  **2019** Politecnico de Milano "Polimi", Italy
-  **2020** Universidad Católica Boliviana "San Pablo", Bolivia
-  **2023** Universidad de Antioquia, Colombia

HyperGES

-  **2020** Mahidol University, Thailand
-  **2023** Macau University of Science and Technology
-  **2023** Universidad Católica Boliviana "San Pablo"

China Space Station



2019 9 proposals were selected initially. 7 projects from 17 institutions from 15 different countries are under development: China, Germany, India, Italy, Japan, Kenya, Mexico, Peru, Poland, Russia, Saudi Arabia, Spain, Switzerland

Bartolomeo



2021 A consortium composed of Egyptian Space Agency, Kenya Space Agency, and Uganda National Space Programme



Access to Space for All

Awardees



Satellite Development Track

PHI



2022 Antarikchya Prasthan, Nepal



2022 National Space Science Agency, Bahrain

KiboCUBE



2015 University of Nairobi, Kenya



2016 Universidad del Valle de Guatemala



2017 Mauritius Research and Innovation Council



2018 Surya University, Indonesia



2019 Technical University, Moldova



2020 Central American Integration System (SICA)



2022 Universidad Popular Autónoma del Estado de Puebla, México



2022 École Supérieure Privée d'Ingénierie et de Technologie Appliquée, Tunisia

Vega C



2023 University of Nairobi, Kenya, supported by the University of Arizona and Space Trust

Space Exploration Track

ISONscope



2022 Kenya Space Agency



2022 National Space Research and Development Agency, Nigeria

UN/Austria Symposium & Trainings

International symposium dedicated to capacity-building since 1994



~1,200 registrations
127 countries

Post-symposium trainings

- Started in 2021 as a response to feedback from participants regarding need for capacity development
- **Unique features**
 - Partnerships across both public and private sectors
 - Free of charge
 - Online and diverse formats; webinar, video on-demand, MOOCs, etc.
 - Available to anyone, no restriction on nationalities
 - Theory, demonstration or hands-on practice (including access to data and/or platform)
 - Varying levels catering to participants of different knowledge level
 - In English and other languages (Spanish)
 - Resources available online for knowledge retention and sharing



Space for Climate Action Trainings 2023

<https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2023/climateactiontrainings.html>

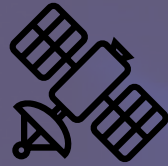


SATELLITE NAVIGATION

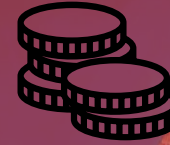
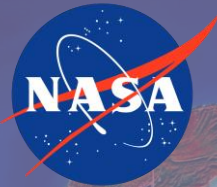
EUSPA: Galileo High Accuracy Service - General Overview

**Wednesday, 20 September
in English and Spanish**

** Training material is available **



EO DATA PROCESSING



ENTREPRENEURSHIP

EUSPA: Entrepreneurship

**Tuesday, 10 October
13:00 to 14:00 UTC**

