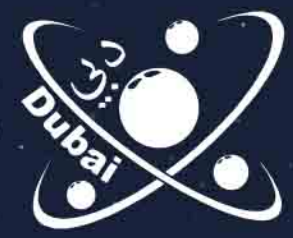




**20** EXPO  
**22** SCIENCES  
ASIA



الملتقى  
العلمي  
الآسيوي **20**  
**22**

WHERE BRIGHT MINDS MEET

# PARTICIPANT GUIDE

From 20 - 26 FEBRUARY 2022, DUBAI



WELCOME  
**TO DUBAI!**  
THE PLACE WHERE  
**BRIGHT MINDS**  
**MEET**

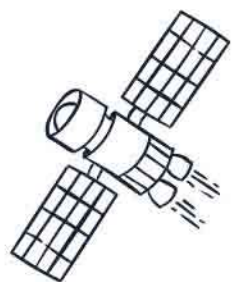
20 EXPO  
22 SCIENCES  
ASIA



الملتقى  
العلمي  
الآسيوي 20  
22



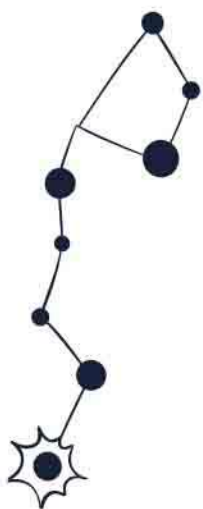
# TABLE OF CONTENT



WELCOMING MESSAGES.....	1
ABOUT MILSET ESA 2022.....	3
MILSET ASIA.....	3
EMIRATES SCIENCE CLUB.....	3
THE CULTURAL AND SCIENTIFIC ASSOCIATION.....	5
EVENT PROGRAMME.....	6
ACTIVITIES.....	10
Head of Delegations Meeting.....	10
Opening Ceremony.....	11
Conferences.....	12
MILSET Young Citizens Conference (YCC).....	13
MILSET Leader Congress (LC).....	14
WORKSHOPS.....	16
CITY TOURS.....	17
CULTURAL NIGHT.....	21
CLOSING CEREMONY.....	22
VENUE.....	23
Location.....	24
Venue rules.....	24
Safety provisions.....	24
Prohibited Articles.....	25
Restricted Items and Actions.....	25
Safety and Security Procedures.....	25
COVID-19 Safety measures and precautions.....	25

# TABLE OF CONTENT

Medical Clinic.....	27
Emergency Lines.....	27
PROJECTS' SET-UP.....	28
Booth.....	29
Electricity information.....	29
Poster Specifications.....	29
Exhibition.....	30
Internet at The Cultural & Scientific Association....	30
LOGISTICS.....	30
UAE Migratory Regulations.....	30
UAE Health regulations.....	32
General Regulations.....	32
UAE Healthcare Official App.....	32
UAE GOODS REGULATIONS.....	34
TRANSPORTATION SCHEDULE.....	35
ACCOMMODATION.....	36
CATERING.....	38
MEAL SCHEDULE.....	39
TIPS FOR YOUR VISIT.....	40
PLACES TO VISIT IN DUBAI.....	42
ESA SPONSORS.....	45
CONTACT.....	47



# WELCOMING MESSAGES



**Dr. Eesa M. Albastaki**

Emirates Science Club  
Chairman



Emirates Science Club (ESC) was founded by the Cultural and Scientific Association to spread the awareness of science and technology (S&T) in society, train and monitor the youth in S&T, discover the talented youngsters, hone their skills to prepare them to become scientists and innovators of the future and participate in the international arenas and events for them to prosper, expose to, and compete internationally.

ESC is a member of is MILSET (International Movement for Leisure Activities in Science and Technology). This key organisation broadens the youths' scope of mind and enables them to be competitive worldwide, and fulfils one of the goals of Emirates Science Club to learn and prosper through the interactions between different minds and experiences in the international arena. ESA (Expo-Sciences Asia) is one of the platforms of MILSET to encourage the youngsters to engage in science and technology in order to learn, add value to S&T and participate in the development drive towards sustainable economies in the world by enabling science and technology as foundations and bases of social and societal developments to serve humanity.

ESA 2022 is held in Dubai and organised by Emirates Science Club under the Cultural and Scientific Association umbrella. Even though MILSET Asia organises the event, the participants showcasing their scientific contributions come from worldwide. Dubai is a place where impossibility is not accepted, and it is always perceived as doable and achievable. HH Sheikh Mohammed Bin Rashid Al Maktoum, UAE Vice President, Prime Minister and Ruler of Dubai, said: "Impossible is not in my dictionary". Thus, many countries will be here to participate in this event.

ESA 2022 will be held from 20 to 25 February 2022. ESA 2022 is a showcase arena of more than 400 participants worldwide from more than 30 countries. The Expo is divided into 7 scientific disciplines or categories. The categories are basic sciences, energy & transportation, physics & astronomy, agriculture & bio-technology, robotics & AI, space sciences, and IoT. The activities are between industrial, cultural, and Expo2020 Dubai visits. In addition, there are parallel events such as the youth conference "Our Future in Space", the Leaders' conference, scientific workshops in technological sciences, students panel discussions, and special discussion sessions by experts on space.

I would like to welcome all delegates and visitors to this exclusive event, ESA 2022 and wish you all a happy, joyous, pleasant and successful stay in Dubai, the friendly city of the future.

# WELCOMING MESSAGES

The regional office for Asia of the International Movement for Leisure Activities in Science and Technology "MILSET" and the Emirates Science Club under the umbrella of the Scientific and Cultural Association are organising the sixth Exposciences Asia. Dubai will host ESA 2022 as a centre for gathering the world's youth in a joyful, scientific and cultural atmosphere.

The International Movement "MILSET" has organised international and regional Expo-Sciences since its establishment in 1987 in Quebec, Canada. MILSET Expo-Sciences and other events have successively gathered the youth on science and technology worldwide. However, the 6th Expo-Sciences Asia 2022 in Dubai represents a turning point in the history of the MILSET organisation.

After the exceptional situation imposed by the Pandemic on the world, it was not possible to organise face-to-face events. Therefore, activities were held virtually, and the world's youth continued to communicate online to present their research and scientific innovations.

UAE took the lead and the initiative to organise the Expo-Sciences Asia 2022 face-to-face from 20 to 26 February 2022. It's a wonderful challenge, but it's not surprising for the UAE, which has played a pioneering role regionally and globally under the wise leadership of the rulers of the Emirates.

We are confident that Expo-Sciences Asia will be a turning point in which participants from different countries of the world will meet to send a message of hope, peace, and love with an optimistic view marked by coexistence and intercultural exchange. These are the goals for which MILSET was established.

Welcome to all the participants in the sixth MILSET Expo-Sciences Asia, and congratulations to you for attending this special event!



**Adnan Almeer**  
MILSET Asia President



مكتب المجلس الاقليمي لقطرة اسيا  
بالتعلم العالمية لاستثمار اوقات الفراغ بالعلوم والتكنولوجيا

# ABOUT MILSET ESA 2022

MILSET Expo-Sciences Asia 2022 is a non-competitive event that brings together youth, educators, and scientific experts from Asia, Europe, North America, Latin America, and Africa to exchange ideas and compare scientific projects fostering networking international collaboration.

MILSET ESA Dubai 2022 aims to promote scientific knowledge in a multicultural environment through an exhibition of projects created by youth from all over the world.

It is a unique opportunity for budding talents to come together and share ideas on scientific innovation in the largest youth science expo in the world, encouraging thought, leadership, and creativity for the future leaders of tomorrow in STEAM fields.

This event is developed thanks to the collaboration of MILSET ASIA and Emirates Science Club with the support of the Cultural and Scientific Association.



## MILSET ASIA

The International Mouvement for Leisure Activities in Science and Technology (MILSET Mouvement International pour le Loisir Scientifique Et Technique) is a non-governmental, non-profit and politically independent youth organisation. It aims at developing scientific culture among young people through the organisation of science and technology programmes, including science fairs, science camps, congresses and other activities of high quality.

MILSET was created during ESI 87, the first international science fair held in Quebec, Canada, in 1987. Since then, and due to the organisation's growth, regional offices have been established in Latin America, Africa, Asia, Europe and North America.

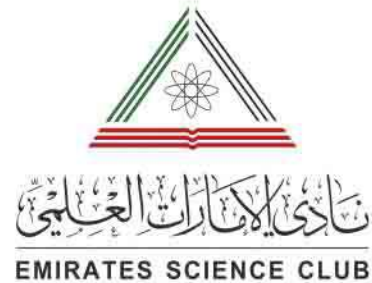
MILSET Asia Office is the first regional office for MILSET to be settled in 1987. It represents one of the biggest continents with diverse cultures, ethnic groups, origins, and religions. Kuwait was chosen to be MILSET Asia's headquarters and, together with many Asian countries, are high-tech and state-of-the-art.

Get further information about MILSET on [www.milset.org](http://www.milset.org)



مكتب الملتقى الاقليمي لقارة اسيا  
بالمعلمة العالمية لاستثمار اوقات الفراغ بالعلوم والتكنولوجيا

## EMIRATES SCIENCE CLUB



Emirates Science Club runs scientific activities, in the form of brief and seasonal in all fields of science & technology, supervised by a selection of specialised engineers. Besides that, it takes part in science exhibitions and international competitions in accordance with the country's vision and goals.

The club also aims to raise the students' levels of intelligence, encourage them, and discover their scientific talents & abilities at early stages while taking care of and developing them properly.



# THE CULTURAL AND SCIENTIFIC ASSOCIATION

The Cultural and Scientific Association is one of the UAE cultural establishments that focuses on the efforts of UAE citizens in the scientific, cultural and intellectual fields.

Since its foundation in 1987, the Cultural and Scientific Association assumed its responsibility of securing and realising a more prosperous future for the UAE through abiding by the deep-rooted heritage of the country as well as following up, conforming to and benefiting from the latest global achievements of life.



# EVENT PROGRAMME

From 20 - 26 FEBRUARY 2022, DUBAI

February  
**20**  
Sunday

All Day Delegates' arrival

February  
**21**  
Monday

Exhibition set-up  
Heads of Delegations Meeting  
ESA 2022 Official Opening

February  
**22**  
Tuesday

ESA Opens to Public  
Workshops & Seminars  
MILSET Leaders Congress  
Round-Table Discussion  
City Tour

February  
**23**  
Wednesday

ESA Opens to Public  
Workshops & Seminars  
MILSET Leaders Congress  
MILSET Asia General Assembly  
MILSET Young Citizens Conferences (YCC)  
City Tour

February  
**24**  
Thursday

ESA Opens to Public  
Workshops & Seminars  
MILSET Leaders Congress  
Cultural Night  
Closing Ceremony

February  
**25**  
Friday

ESA Opens to Public  
Workshops & Seminars  
Delegates' Departure (Optional)

February  
**26**  
Saturday

Delegates' Departure



# EVENT PROGRAMME

From 20 - 26 FEBRUARY 2022, DUBAI

February  
**20**  
Sunday

Timing	Activities	Location
All Day	Arrivals and transportation	DXB Airport DWC Airport SHJ Airport
13:00 – 16:00	Lunch	Hotels
16:00 – 20:00	Registration Heads of delegation only	The Cultural & Scientific Association ESA Registration Desk
19:00 – 23:00	Dinner	Hotels

February  
**21**  
Monday

Timing	Activities	Location
06:00 – 08:00	Breakfast	Hotels
08:00 – 09:00	Transfer	Hotels to The Cultural & Scientific Association
09:00 – 18:00	MILSET Global EC Meetings	The Cultural & Scientific Association Office No.1
09:00 – 12:00	Registration for late arrivals	The Cultural & Scientific Association ESA Registration Desk
09:00 – 13:00	Projects Set-up	The Cultural & Scientific Association Main hall
13:00 – 14:00	Prayer Break / Lunch	The Cultural & Scientific Association
14:00 – 15:00	Heads of Delegation Info Meeting	The Cultural & Scientific Association Lecture Room
14:00 – 15:00	Booth Inspection	The Cultural & Scientific Association Main hall
14:00 – 16:00	Workshops	The Cultural & Scientific Association Room No. 1 & 2
18:00 – 21:00	Official Opening & Visit of the Projects	The Cultural & Scientific Association Auditorium
21:00 – 21:30	Transfer	The Cultural & Scientific Association to Hotels
22:00 – 23:00	Dinner	Hotels

February  
**22**  
Tuesday

Timing	Activities	Location
06:00 – 08:00	Breakfast	Hotels
08:00 – 09:00	Transfer	Hotels to The Cultural & Scientific Association
09:00 – 16:00	MILSET Global EC Meetings	The Cultural & Scientific Association Office No.1
09:00 – 16:00	ESA open to the Public	The Cultural & Scientific Association Main hall
10:00 – 12:30	Workshops	The Cultural & Scientific Association Room No. 1 & 2
11:00 – 12:30	MILSET Leaders Congress "Future of Education Technology and Digital Transformation"	The Cultural & Scientific Association Auditorium
13:00 – 14:00	Prayer Break / Lunch	The Cultural & Scientific Association
14:00 – 15:30	Technology and space applications on solving environmental challenges <small>* Discussion Panel</small>	The Cultural & Scientific Association Auditorium <small>* All Participants</small>
16:00 – 20:00	Scientific Visit / City Tour Day 1	7 Routes
20:00 – 22:00	VIP and heads of delegations Gala Dinner (by invitation)	The Cultural & Scientific Association
20:00 – 23:00	Dinner	Hotels



# EVENT PROGRAMME

From 20 - 26 FEBRUARY 2022, DUBAI

February  
**23**  
Wednesday

Timing	Activities	Location
06:00 – 08:00	Breakfast	Hotels
08:00 – 09:00	Transfer	Hotels to The Cultural & Scientific Association
09:00 – 16:00	MILSET Global EC Meetings	The Cultural & Scientific Association Office No.1
09:00 – 16:00	ESA open to the Public	The Cultural & Scientific Association Main hall
09:00 – 10:30	MILSET Asia General Assembly	The Cultural & Scientific Association Lecture Room
10:00 – 11:00	Future of a Green Economy and its Role in Sustaining World Economy <small>* Discussion Panel</small>	The Cultural & Scientific Association Auditorium
10:00 – 12:30	Workshops	The Cultural & Scientific Association Room No. 1 & 2
11:00 – 12:30	MILSET Leaders Congress "Discovering Methods for gifted students" <small>* Hamdan Bin Rashid Al Maktoum Center for Giftedness and Innovation</small>	The Cultural & Scientific Association Auditorium
13:00 – 14:00	Prayer Break / Lunch	The Cultural & Scientific Association
13:30 – 16:00	MILSET Young Citizens Conferences "Our Future in Space" <small>* Round tables</small>	The Cultural & Scientific Association Lecture Room
16:00 – 20:00	Scientific Visit / City Tour Day 2	7 Routes
20:00 – 23:00	Dinner	Hotels

February  
**24**  
Thursday

Timing	Activities	Location
06:00 – 08:00	Breakfast	Hotels
08:00 – 09:00	Transfer	Hotels to The Cultural & Scientific Association
09:00 – 16:00	MILSET Global EC Meetings	The Cultural & Scientific Association Office No.1
09:00 – 16:00	ESA open to the Public	The Cultural & Scientific Association Main hall
10:00 – 12:30	Workshops	The Cultural & Scientific Association Room No.1 & 2
11:00 – 12:00	MILSET Leaders Congress "Patenting to enhance the technological development"	The Cultural & Scientific Association Lecture Room
13:00 – 14:00	Prayer Break / Lunch	The Cultural & Scientific Association
14:00 – 17:00	Performances rehearsal	The Cultural & Scientific Association Auditorium
18:30 – 21:00	Cultural Night	The Cultural & Scientific Association Auditorium
21:00 – 22:00	Closing Ceremony	The Cultural & Scientific Association Auditorium
22:00 – 22:30	Transfer	The Cultural & Scientific Association to Hotels
22:30 – 23:30	Dinner	Hotels



# EVENT PROGRAMME

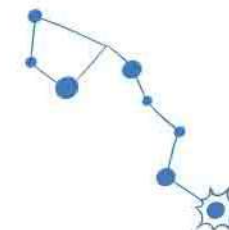
From 20 - 26 FEBRUARY 2022, DUBAI

February  
**25**  
Friday

Timing	Activities	Location
06:00 – 08:00	Breakfast	Hotels
08:00 – 09:00	Transfer	Hotels to The Cultural & Scientific Association
09:00 – 16:00	ESA open to the Public	The Cultural & Scientific Association Main hall
10:00 – 12:30	Workshops	The Cultural & Scientific Association Room No.1 & 2
13:00 – 14:00	Prayer Break / Lunch	The Cultural & Scientific Association
14:00 – 16:00	ESA open to the Public	The Cultural & Scientific Association Main hall
16:30 – 17:00	Projects' Dismantling	The Cultural & Scientific Association Main hall
17:00 – 17:30	Transfer	The Cultural & Scientific Association to Hotels
19:00 – 23:00	Dinner	Hotels

February  
**26**  
Saturday

Timing	Activities	Location
06:00 – 09:00	Breakfast	Hotels
13:00 – 16:00	Lunch	Hotels
All Day	Check-out and transfers to the airports	Hotels



# ACTIVITIES

## ● Head of Delegations Meeting

This meeting aims to provide relevant information to the Heads of Delegations about the activities that will be performed during MILSET ESA 2022 Dubai, such as the rules of the venue, important advice about life in Dubai and useful tips to ensure that all participants enjoy their stay and have a memorable experience. The main information that will be provided is related to:

- MILSET ESA 2022 Dubai Activities
- Lectures & Workshops
- Cultural Night
- MILSET Asia General Assembly
- Technical Information & Restrictions
- Security & First Aid
- City Tours
- Public Transportation
- Official Documents (Passports)
- Activities for Extra Days
- Early Departures
- Departures

After the meeting the participants, supervisors and accredited visitors must receive the information through their Heads of Delegations.



**21 February 2022**  
**Monday**



**14:00 hrs. – 15:00 hrs.**



**Lecture Room**

# ACTIVITIES

## ● Opening Ceremony

The opening ceremony marks the official start of MILSET ESA 2022. The ceremony will include a musical performance, the Parade of Nations, and protocols to welcome UAE Government officials, Ambassadors, and Dignitaries. There will be a welcoming protocol for the VIPs outside Auditorium.

Notes:

- All participants must ensure that they are stationed at their designated booth before 17:30 hrs to welcome visitors and VIP guests at their booths.
- Participants taking part in the Parade of Nations need to be at the assembly point at 17:30hrs. (One participant per country will be chosen).
- Delegates (participants, supervisors, heads of delegations, accredited visitors) need to bring their badges. There will be strict security precautions in place.
- Delegates are advised to avoid bringing valuables to the ceremony.
- Participants must respect the UAE dress code. We encourage delegates to dress formally or use delegation uniforms.



**21 February 2022**  
**Monday**



**18:00 hrs. – 21:00 hrs.**



**Auditorium**

# ACTIVITIES

## ● Conferences

### **Technology and space applications on solving environmental challenges**

The discussion will explore the most important space applications that will solve environmental challenges on Earth, as human activities have negatively affected environmental life and contributed to soil degradation, depletion of the ozone layer and climate change.



**22 February 2022**  
**Tuesday**



**14:00 hrs. – 15:30 hrs.**



**Auditorium**

### **Future of a Green Economy and its Role in Sustaining World Economy**

The discussion panel will explore the Future of a Green Economy, such as the extra cost of reducing environmental risks, the transition from oil-based to a knowledge-based green economy, the impact of the green economy on natural disasters & New jobs in the green economy.



**23 February 2022**  
**Wednesday**



**10:00 hrs. – 11:00 hrs.**



**Auditorium**



# ACTIVITIES

## ● MILSET Young Citizens Conference (YCC)

It is your opportunity to represent your country as an ambassador and share ideas!

MILSET invites representatives of every delegation to participate in an open discussion at the Young Citizens Conference (YCC), targeting more than 100 participants. The selected participants will attend exclusive conferences with experts.

This year's topic at YCC is "Our Future in Space". In this activity, youth from different countries will discuss the pros and cons of space exploration, space debris, space tourism, new materials, and international collaboration. Finally, YCC ambassadors will share their ideas and proposals for a better future.

If you are 15 to 25 years old, you will receive an invitation email to participate. Registration is required for this activity, and a selection process will be run.



**23 February 2022**  
**Wednesday**



**13:30 hrs. – 16:00 hrs.**



**Lecture Room**



# ACTIVITIES



## ● MILSET Leader Congress (LC)

The MILSET Leaders Congress (LC) includes several activities during the MILSET ESA 2022 week, targeting 100-120 teachers, educators, and worldwide organisations leaders.

This congress consists of the following activities:

### **Future of Education Technology and Digital Transformation**

During this activity, important topics can be discussed and debated to develop strategies and solutions to engage Professionals Skills, Virtual and Augmented Reality in Education, the role of Professional organizations & happiness and Digital Transformation.



**22 February 2022**  
Tuesday



**11:00 hrs. – 12:30 hrs.**



**Auditorium**

### **Discovering Methods for gifted students**

Discovering Methods for gifted students is based on the vision of Hamdan Bin Rashid Al Maktoum Foundation for Distinguished Academic Performance to identify and mentor gifted and talented students according to scientific standards and best practices.

# ACTIVITIES

In cooperation with a specialised scientific team from prestigious international universities in Germany and the Kingdom of Saudi Arabia, the Foundation developed and designed a set of advanced and standardised scientific instruments that are compatible with the context of the United Arab Emirates. These instruments are known as Hamdan Giftedness Test (HGT).

Those standards are genuinely among the best and most current internationally recognised standards as they are compatible with the latest scientific theories and best international practices in gifted education and talent development.



**23 February 2022**  
Wednesday



**11:00 hrs. – 12:30 hrs.**



**Auditorium**

## **Patenting to enhance technological development**

The speakers will discuss the important points regarding innovation and Intellectual Property Inventions and patents. Promote research and development activities in the field of technology, the patent becomes a tradable asset. International Patent System.



**24 February 2022**  
Thursday



**11:00 hrs. – 12:00 hrs.**



**Lecture Room**



# WORKSHOPS

MILSET ESA 2022 participants will be provided technical workshops from 20 to 25 February during the event week. Workshops details are shown in the table below:

## Monday 21<sup>st</sup> Feb 2022

Compay	Place	Category	Workshop	Time
Emirates Science Club	Main Hall	Students /Educator	Art of handicrafts	14:00 - 16:00
Global Innovation & Entrepreneurship	Hall No.1	Students /Educator	SeaPerch ROV	
Global Innovation & Entrepreneurship	Hall No.2	Students /Educator	IoT	

## Tuesday 22<sup>nd</sup> Feb 2022

Emirates Science Club	Main Hall	Students /Educators	Art of handicrafts	10:00 - 12:30
Qassim Science Center	Hall No.1	Students /Educators	Artificial Intelligence	
Qassim Science Center	Hall No.2	Students /Educators	Cubelet Robots	

## Wednesday 23<sup>rd</sup> Feb 2022

Emirates Science Club	Main Hall	Students /Educators	Art of handicrafts	10:00 - 12:30
Global Innovation & Entrepreneurship	Hall No.1	Students /Educators	SeaPerch ROV	
Global Innovation & Entrepreneurship	Hall No.2	Students /Educators	IoT	

## Thursday 24<sup>th</sup> Feb 2022

Emirates Science Club	Main Hall	Students /Educators	Art of handicrafts	10:00 - 12:30
Cybearena	Hall No.1	Students /Educators	Cyber Security	
Qassim Science Center	Hall No.2	Students /Educators	Cubelet Robots	

## Friday 25<sup>th</sup> Feb 2022

Emirates Science Club	Main Hall	Students /Educators	Art of handicrafts	10:00 - 12:30
Cybearena	Hall No.1	Students /Educators	Cyber Security	
Qassim Science Center	Hall No.2	Students /Educators	Cubelet Robots	