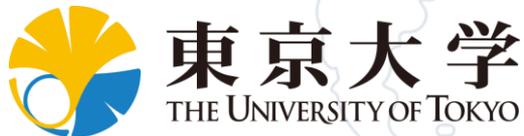


UNISEC-Global initiative on government policies in support of space education

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UNiversity Space Engineering Consortium

- **UNISEC-Japan established in 2002.**
 - Promote **practical space projects** such as micro/nano satellites and hybrid rockets at university level in Japan.
- **UNISEC-Global** was established in 2013.
 - **International nonprofit, non-governmental organization.**
 - Consisting of local-chapters around the globe.
 - Building on the activities of UNISEC-Japan.
- **Permanent observer** of **UNCOPUOS** since 2017.

Vision

To enhance our world for all humankind through the creation of thriving networks, engaging programs, accessible assets, and fundamental capabilities such that **anyone around the globe can utilize space science and technology**.

Mission

UNISEC-Global will create an environment that will promote the **free exchange of ideas, information, and capabilities** relating to space engineering and its applications, especially for young people, including those in developing countries and emerging economies.

Activites

Year/Activity	CLTP	DMC/DDC	MIC	Nano-satellite Symposium	UNISEC-Global Meeting
					
2010				1 st	
2011	1 st and 2 nd		1 st	2 nd and 3 rd	
2012	3 rd		2 nd	4 th	
2013	4th		Pre 3rd	5th	1st (Japan)
2014	5 th		3 rd	-	2 nd (Japan)
2015 	6 th		Pre 4 th	6 th (ISTS30)	3 rd (Japan)
2016	7 th	1 st	4 th	7 th	4 th (Bulgaria)
2017	8 th	2 nd	Pre 5 th	8 th (ISTS31)	5 th (Italy)
2018	9 th		5 th	-	6 th (France)
2019	10 th		6 th	9 th (ISTS32)	7 th (Japan)
2020	Postpone		Postpone	Postponed	Virtual (monthly)
2021	Postpone		7 th	Postpone Feb 2022	Virtual (monthly)

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UNISEC-GLOBAL

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Why this project?

- Space technologies and applications are closely integrated in our society
- Some knowledge of space is critical for the general population
- More and more space experts will be needed in a wide range of fields

=> Need to further advanced space education worldwide

Numerous forms of space education

- ❑ Initiation to space activities (for primary/middle/high schools)
- ❑ Introduction to basic guidance, autonomous embedded systems (e.g. CanSat)
- ❑ Hands-on learning on space systems replica (e.g. HEPTA-Sat)
- ❑ Development of actual space systems (e.g. CubeSat and higher)
- ❑ Capacity building in space technology development and utilization
- ❑ Capacity building in space law, policy and strategy
- ❑ Etc.



Vision

Promoting virtuous governmental policies in support to space education

Research goals

- (1) Collecting and analysing existing policies worldwide and acknowledging best practices
- (2) Devising and proposing innovative policies in support to space education

Main outcome

Annual report published by UNISEC-Global and partners

Targets of the project (1/2)

Governments with an established space program

- (1) Opportunity to compile and review existing space education policies
- (2) Benchmark against the policies of other nations
- (3) Implementing or experimenting some of our policy recommendations

Governments of emerging space countries

Access to a list of best practices on which to build a sustainable space program

Targets of the project (2/2)

People or institutions benefitting from space education policies

- (1) Raised awareness of programs/opportunities
- (2) Higher quality/frequency education programs
- (3) Increase in volume/efficiency of funding
- (4) Research opportunities domestic/international

Private entities involved in capacity building

Support towards innovation/commercialisation of private space education solutions

Call for partners

Data providers

Type: government, industry, academia or non-profit organisations

Roles: provide data and information on existing policies and their implementation

Research partners

Type: Academia, think-tanks or non-profit organisations

Roles: develop the methodology, analyse the data and publish the annual report with UNISEC-Global

2021: pilot study

Primary goals

- Gather research partners
- Develop a clear and transparent methodology
- Draft and issue a charter of good research practices
- Issue a report with a limited number of countries

First announcements

27th Asia-Pacific Regional Space Agency Forum

Online, 30 November – 3 December 2021

Our only objective

Promoting space education by collecting,
acknowledging and widely sharing best practices

Thank you!

UNISEC-Global

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