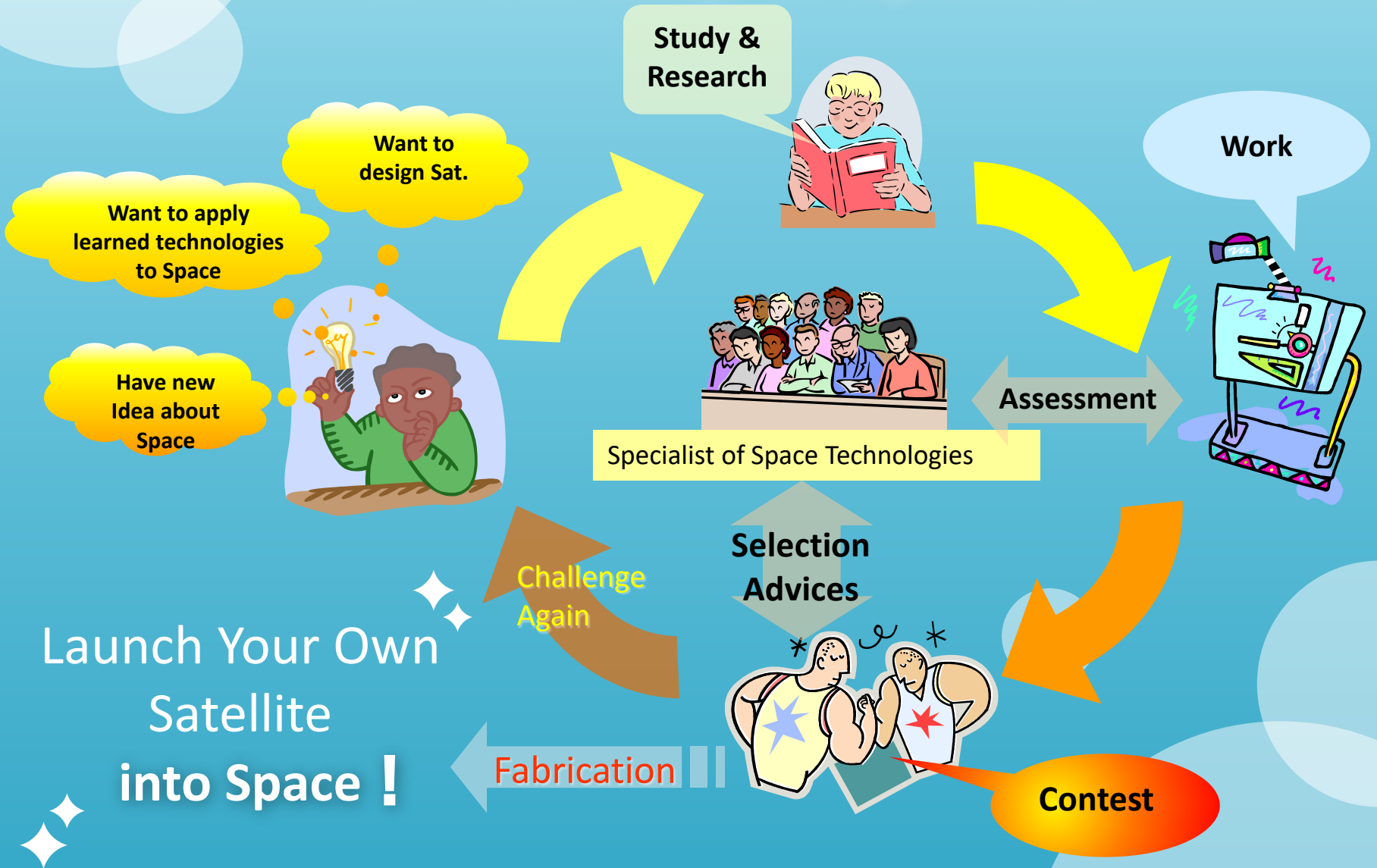


# What is the Satellite Design Contest?

# The Satellite Design Contest

- Contest style educational program for **high school** students, **vocational school** students, **technical college and university** students, and **graduate** students.
- Three categories; **Design, Idea, Junior**
  - ◆ 1<sup>st</sup> Selection: Excellent works to be screened with application documents in the light of ideas, ingenuity, fundamental technical knowledge, future prospects and so on
  - ◆ Judges to give assessment results to all the works so that the students who applied to the contest should keep motivation and step up for the future, with wishing the applicants challenge again.
  - ◆ After the initial screening, selected students to make a presentation at the final public review event. Based on the result, several excellent works to be awarded.

# The First Step to Space !



# Notable Organization !

## Contest is organized by...

- Leading Engineers from Sat Manufacturer and Research Institute
- Leading Educators from Space Education in Universities
- Representatives from Space Education Support Organization



Strongest  
Professional group !

- Careful incubation to applicant's work
- Kind advices on entries
- Efforts provided to implement for launch of contest entries

# History of the Satellite Design Contest

**1993**

International Space Year , the First Satellite Design Contest  
Chiba Tech's WEOS was awarded by IEICE

**2002**

WEOS was launched by H-2A #4.

**2003**

Tokyo Univ.'s XI-IV, Tokyo Tech's CUTE-1 were launched.

Junior Contest was introduced at #13 Satellite Design Contest.

**2005**

Tokyo Univ.'s XI-V, Tokyo Tech's CUTE-1.7+APD were launched.

**2006**

Nihon Univ.'s SEED was launched (launch failure).

**2007**

Tokyo Tech's CUTE-1.7+APD II, Nihon Univ.'s SEED II were launched.

**2009**

Tokyo Univ.(PRISM), Tohoku Univ.(SPRITE-SAT), TMCIT(KKS-1), Kagawa Univ.(STARS) were launched as co-passengers payload aboard H-2A #15.

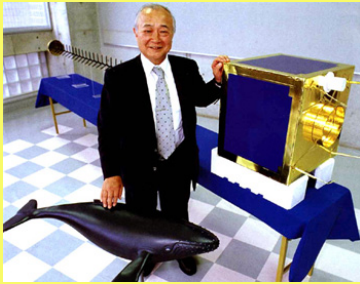
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**2014**

Since then, many universities who attended this contest launched their satellites as H-2A co-passenger payload; Kyushu Tech's "Horyu4", Shinshu Univ.'s "Shindai Sat", Osaka Prefecture Univ.'s "OPUSAT", Nihon Univ.'s "SPROUT", Nagoya Univ.'s "ChubuSat-2", and others.

# Major Awarded Works

#1(1993)  
IEICE Award



Chiba Tech  
WEOS

#14(2006)  
Idea Grand Prize



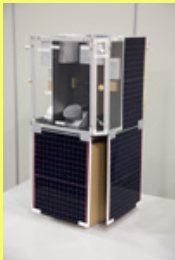
Toba College  
Small Globe where Daphnia lives in Space

#16(2008)  
Design Grand Prize



Graduate School of Tokyo Tech.  
TETRA

#18(2010)  
Design Grand Prize



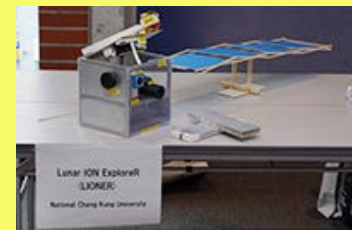
Tokyo Metropolitan Univ.  
ORBIS

#21(2013)  
Design Grand Prize



National Cheng Kung University  
Atmosphere-Ionosphere  
Coupling Explorer(AICE)

#26(2018)  
Minister of Education, Culture, Sports,  
Science and Technology Award



National Cheng Kung University  
Lunar ION Explorer (LIONER)

# From Registration to the Selection

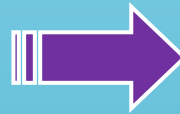


◆ Registration Start

◆ Entry Deadline



◆ Submission of the work



◆ Initial screening by documents

◆ Assessment results



◆ Final Review

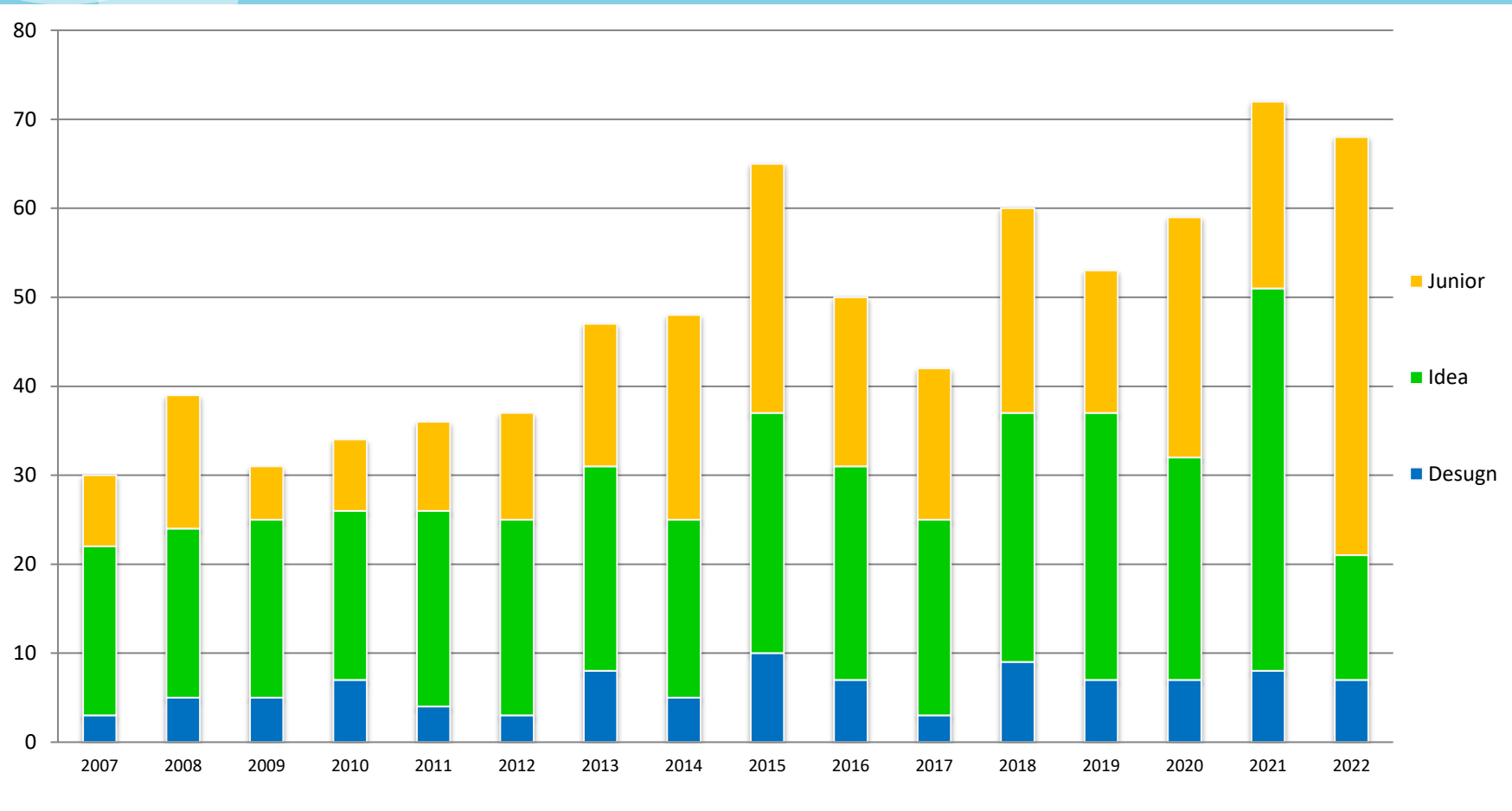
Registration and Preparing Outline  
Let's refer to past works !

Consulting with Judges when  
you have a question !

Detail Design  
Model (Design & Idea Contest)  
Poster (Junior Contest)

Submit advice sheet  
to all entries !

# Recent trends in number of applications





# Conclusion

Participation will be encouraged by an Executive Committee, Judging members, and Project Committee.

Please do not hesitate to contact the secretariat by [email](#) or phone for any questions.

# Organizers

## Host :

JSME(The Japan Society of Mechanical Engineers)

JSASS (the Japan Society for Aeronautical and Space Sciences)

IEICE(Institute of Electronics, Information and Communication Engineers)

SGEPSS (The Society of Geomagnetism and Earth, Planetary and Space Sciences)

ASJ (the Astronomical Society of Japan )

JAXA(Japan Aerospace Exploration Agency)

SPSS(Society for Promotion of Space Science)

JSF(Japan Space Forum)

Japanese Rocket Society

**Co-organizer :** The Japan Society for Aeronautical and Space Sciences

**Supporter :** National Space Policy Secretariat, Cabinet Office,  
MEXT, MIC, METI, MOD

**Steering :** Executive Committee of Satellite Design Contest