



BIRDS Project Newsletter

Issue No. 14 (28 March 2017)



March is Hinamatsuri
(Girl's Festival) ひな祭
month in Japan – an
old tradition.

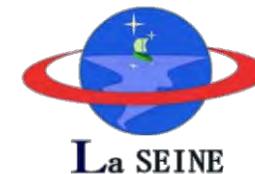


Members of BIRDS-1 and BIRDS-2 Teams (Tobata Campus)

Project website: <http://birds.ele.kyutech.ac.jp/>
All back issues are archived at this website.

Edited by:

G. Maeda, Tejumola Taiwo, Joven Javier, M. Cho,
Laboratory of Spacecraft Environment Interaction
Engineering (LaSEINE)
Kyushu Institute of Technology (Kyutech)
Kitakyushu, Japan



All back issues of this newsletter can be easily downloaded. Go to here: <http://birds.ele.kyutech.ac.jp/>
At the top, click on the tab called NEWSLETTER. You will get a menu for all back issues.

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UNISPACE+50

@UN Photo

➤ **2018** marks the 50th anniversary of the first UN Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE), held in Vienna in 1968

Above photo and text from UN's website on UNISPACE+50.

The image shows a large exhibition space with various satellite models and displays. A banner at the top reads 'UNISPACE+50'. A group of people, including a man in a suit pointing towards a display, are visible in the foreground. The background features large satellite components and other visitors.

1. The importance of UNISPACE + 50

It is important because much of the UN space agenda for at least the next ten years is established during this conference in 2018. If capacity building using nano-satellites is important for your country then you need to speak up and make it part of that long-term agenda. If it does not become part of the agenda, then the damage will be severe.

UNISPACE+50 will articulate a long-term vision for space governance: "Space2030"

UNISPACE+50 is the next conference in a series of conferences; see the next three pages for the background to these conferences. These three pages are from Dr. Werner Balogh.

UNISPACE+50 will take place 18-29 June 2018 alongside the 61st Session of COPUOS.

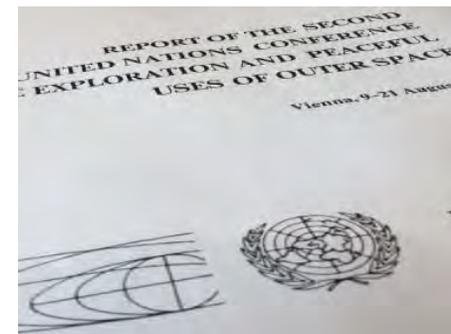
Note:

UNISPACE+50 Segment 20-21 June will be open to all UN Member States, not just COPUOS members.

UNISPACE Conferences

This slide from Dr. Werner Balogh

- United Nations Conferences on the Exploration and Peaceful Uses of Outer Space (UNISPACE)
- Three UNISPACE Conferences were held in Vienna, Austria, in 1968, 1982, and 1999
- Provided a platform for a global dialogue on key issues related to space activities and engaged space actors to further their cooperation in the exploration and peaceful uses of outer space.
- OOSA acted as Executive Secretariat of the Conferences

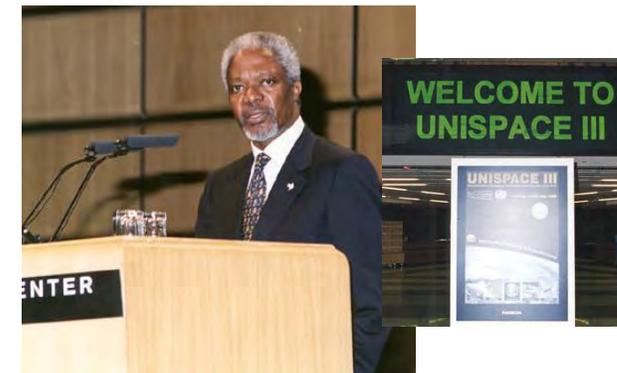


See <http://www.unoosa.org/oosa/en/aboutus/history/unispace.html>



**THIRD UNITED NATIONS CONFERENCE
ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE**

- The latest and Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE III) was held in Vienna from 19 to 30 July 1999 (A/CONF.184/6)
- Resolution “The Space Millennium: Vienna Declaration on Space and Human Development” was adopted by the Conference and endorsed by the UN General Assembly (54/68 of 6 December 1999)

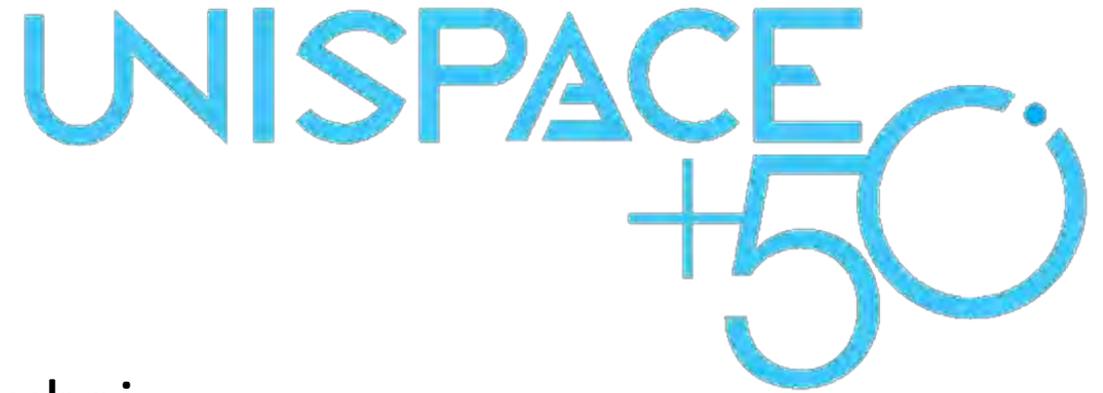


Major UNISPACE Outcomes

- **UNISPACE I**
 - Establishment of the United Nations Programme on Space Applications
- **UNISPACE II (UNISPACE'82)**
 - Expansion of the mandate of the United Nations Programme on Space Applications
 - Establishment of the Regional Centres for Space Science and Technology Education, affiliated to the United Nations
- **UNISPACE III**
 - Establishment of the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)
 - Establishment of the International Committee on Global Navigation Satellite Systems (ICG)
 - International Charter Space and Major Disasters
 - Establishment of the Space Generation Advisory Council (SGAC)

See <http://www.unoosa.org/oosa/en/aboutus/history/unispace.html>

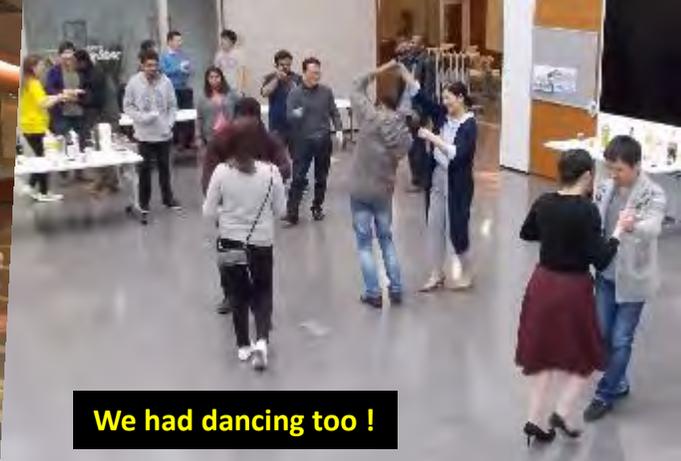
Key Events



- High-Level Forum HLF2017, Dubai, United Arab Emirates, 6-9 November 2017
- UNISPACE+50, 18-29 June 2018
 - Alongside the 61st Session of COPUOS
 - UNISPACE+50 Segment 20-21 June will be open to all UN Member States

2. Celebration of the delivery of five BIRDS-1 satellites to JAXA (which was done on 9 Feb.)

We had a party on 19 February 2017



It was a great party ! ! !



百周年中村記念館 - Nakamura Centenary Memorial Hall

28 February 2017



Dr. Balogh Prof. Tsolmon Prof. Cho

Prof. Tsolmon visits Kyutech to:

- Discuss the BIRDS-1 ground station for Mongolia
- Arrangements for viewing BIRDS-1 launch in the USA (Kennedy Space Center)
- Arrangements for viewing BIRDS-1 deployment at JAXA (Tsukuba Space Center)

3. Visitors from National Univ. of Mongolia, and from King Mongkut's University of Technology North Bangkok

01 March 2017



Apiwat, G.Maeda, Dr. Balogh, Dr. Pom (having うなぎ-eel lunch at いち川)

Dr. Pom visits Kyutech to:

- Test KMUTNB satellite, called KNACKSAT
- Discuss BIRDS matters



Famous unagi restaurant of Tobata

4. Student Nakamura presents BIRDS at Kyutech small sat workshop

第16回宇宙環境技術交流会のご案内

九州小型衛星の会 & 第16回宇宙環境技術交流会を開催します。

拝啓 時下ますますご清栄のこととお慶び申し上げます。

平素は、宇宙環境技術交流会にご参加、及びご協力頂きまして誠にありがとうございます。

早速ですが、来る2017年3月4日（土）に九州工業大学にて九州小型衛星の会 & 第16回宇宙環境技術交流会を開催致します。

今回は、初めての試みとして、九州小型衛星の会と宇宙環境技術交流会を同時に開催する事となりました。

九州内で衛星の開発拠点・運用を行っている企業・大学の衛星の開発・運用状況を報告する予定にしています。

宇宙参入に関心を持たれている企業の方、又衛星開発・運用にご興味を持たれている方に有意義なものになるものと思っておりますので、是非参加して頂きたいと考えています。

皆様の参加をお待ちしております。

記

日時：3月4日（土）13:00開始

会場は12:30~から入室出来ます。

アクセスマップ

<http://www.kyutech.ac.jp/information/map/tobata.html>



Student Nakamura



中村学生が
九州小型衛星の会 & 第16回宇宙環境技術交流会
で BIRDS-1 発表

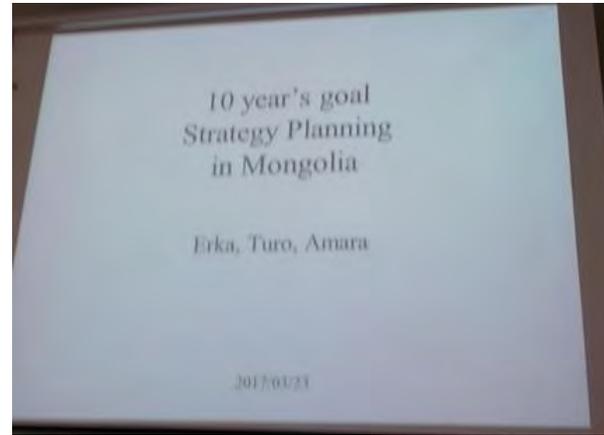
Date: 04 March 2017, 2nd floor of Building S-2
Time: 14:10 – 14:40 (BIRDS presentation)



5. Space Policy Strategy – making ten year plans

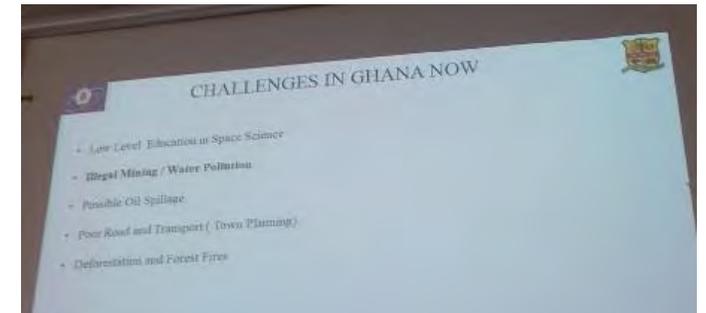


Presentation by Bhutan



Presentation by Mongolia

On 23 March 2017, we had the first round of presentations by certain teams. The homework was to map out a **Ten Year Plan** for their respective countries. The next round is set for 26 April. All the presentations were fascinating and exciting. *Continued on the next page.*



Presentation
by Ghana



Dr. Werner Balogh (UNOOSA) delivers some comments.



This space strategy session lasted from 9AM til noon – and lots of good ideas were tossed around.

Joseph (Ghana) makes a point.



Presentation by Bangladesh

Goal: Mars within ten years.
Ambitious, which is good.



6. KMUTNB Ground Station

This report was submitted by Apiwat
on 12 March 2017.

Station Information

Call sign: **HSOAK**

Frequency range: 144-146 MHz (VHF) and 435-438MHz (UHF)

Antenna: Cross Yagi-Uda

Location: KMUTNB, Bangkok, Thailand



GS antenna is located on roof top of
TGGGS building at KMUTNB



KMUTNB GS is the main station for
KNACKSAT satellite and a partner station
of BIRDS GS network in Thailand.



GS equipment already installed inside
the control room

**Continued
on the
next page.**



KMUTNB ground station has been installed by students and staff that participate in small satellite project in KMUTNB.

We already got the station license from Thailand National Broadcasting and Telecommunication Committee to operate in amateur radio frequency with the maximum output power of 100 watts.



7. Planned location for the UiTM BIRDS Ground Station, in Malaysia



View from roof top of UiTM Engineering building



The Yagi-Uda antennas will be installed near to parabolic antenna, on the roof top

Pictures taken: 3/Jan/2017

END OF ISSUE NO. 14