The 2nd UNISEC-Global Meeting
Programme

18-20 November 2014, Kitakyushu, Japan

Organized by
University Space Engineering Consortium (UNISEC)
in cooperation with
Kyushu Institute of Technology

"By the end of 2020, let’s create a world where university students can participate in practical space projects in more than 100 countries"
1. Background
Our planet has no national boundaries as seen from outer space. Recent globalization has been demonstrated in many areas, such as financial markets, air pollution, and global warming. The University Space Engineering Consortium (UNISEC) believes that providing good educational opportunities to future generations worldwide will lead to a better future, as the resolution of global problems requires a cooperative effort. UNISEC has provided practical space engineering education since 2002 in Japan, and its activities have been spread to the rest of the world through international programs, such as the Mission Idea Contest (MIC), CanSat Leader Training Program (CLTP), and Nano-satellite Symposium, with warm support from many individuals and institutions in various regions around the globe. Under circumstances where university associations have been formed in several countries, UNISEC believes that it is now time to establish UNISEC-Global, where collaborative efforts will be facilitated beyond national boundaries, and to contribute to the development of solutions to global issues.

2. Objective of the 2nd Meeting
- As a follow-up to the decision of the establishment of UNISEC-Global and the adoption of the “Terms of Reference for UNISEC-Global” at the end of the first UNISEC-Global Meeting on November 24, 2013 at the University of Tokyo in Japan
- To encourage the furtherance of the discussions made during the first meeting, with particular attention to users’ needs & technical potentials
- To contribute to the Implementation described in the “Terms of Reference for UNISEC-Global,” especially to Members’ continuous effort to promote project-based space education, and to ensure that their respective policy-and decision-makers understand the importance of space education and support their activities, the following is a rough outline of the Second UNISEC-Global Meeting

3. Venue: Nakamura Centenary Memorial Hall at Kyushu Institute of Technology (KyuTech)
   1-1 Sensui, Tobata, Kitakyushu, Fukuoka, 804-8550, Japan

4. Language: The language used at the Meeting is English.

5. Organization for the 2nd UNISEC-Global Meeting
   ✦ General Chairperson
     Prof. Harunori Nagata, Chairperson of UNISEC-Japan, Hokkaido University
   ✦ Honorary advisors
     Prof. Sir Martin Sweeting, Surrey Satellite Technology Ltd (SSTL); and Surrey Space Centre (SSC), UK
     Prof. Rainer Sandau, International Academy of Astronautics (IAA)
   ✦ Programme Committee
     - Prof. A Rustem Aslan, Istanbul Technical University
     - Dr. Werner Balogh, United Nations
     - Prof. Mengu Cho, Kyushu Institute of Technology
     - Prof. Shinichi Kimura, Tokyo Univ. of Science
     - Prof. Mohammed Khalil Ibrahim, Cairo University
     - Prof. Yasuyuki Miyazaki, Nihon University
     - Prof. Harunori Nagata, Hokkaido University
     - Prof. Shinichi Nakasuka, the University of Tokyo
     - Prof. Jordi Puig-Suari, Calpoly
     - Prof. Rainer Sandau, IAA
     - Prof. Klaus Schilling, University of Würzburg
     - Prof. Herman Steyn, Stellenbosch University
     - Prof. Sir. Martin Sweeting, Surrey Space Centre
Local Organizing Committee
- Prof. Mengu Cho, Kyushu Institute of Technology
- Prof. Harunori Nagata, Hokkaido Univ.
- Prof. Toshiya Hanada, Kyushu Univ.
- Prof. Koji Hiraki, Kyutech
- Prof. Akira Iwasaki, the Univ. of Tokyo
- Prof. Shinichi Kimura, Tokyo Univ. of Science
- Prof. Takaaki Matsumoto, Kyutech
- Prof. Yasuyuki Miyazaki, Nihon Univ.
- Prof. Shinichi Nakasuka, the Univ. of Tokyo
- Prof. Keiichi Okuyama, Kyutech
- Prof. Hironori Sahara, Tokyo Metropolitan Univ.
- Prof. Koichi Yonemoto, Kyutech

Staff members for Local Organizing Committee
Seiji Kawano, Kumiko Shirakawa & Kanae Iyama, KyuTech, and Shizuku Nakashino, UNISEC

Student Committee
- Shingo Fuchikami, Kyushu Institute of Technology, Japan
- Yosuke Fujisawa, Kyusyu University, Japan
- Kiho Fukaura, Tsukuba University, Japan
- Shuhei Hotta, Tokyo Metropolitan University, Japan
- Shusuke Izuta, Keio University
- Takuya Iwanaga, Kyushu Institute of Technology, Japan
- Keisuke Kondo, Tokai University, Japan
- Yuta Kusano, Tokai University, Japan; and UNISON Student Representative
- Xiao Ma, Tsukuba University, Japan; and UNISON Student Representative
- Daichi Manabe, Tsukuba University, Japan
- Masatomo Ichige, Kyushu Institute of Technology, Japan
- Akira Miyahara, Kyushu Institute of Technology, Japan
- Yayoi Murakami, Kyushu Institute of Technology, Japan
- Kenji Nakajima, Tokyo Metropolitan University, Japan
- Satoshi Nakamura, Tokai University, Japan
- Kentaro Nishi, Tokyo Metropolitan University, Japan
- Kento Ohinata, Nihon University, Japan
- Takehiro Ohira, Tokyo Metropolitan University, Japan
- Yumiko Okada, Kyushu Institute of Technology, Japan
- Takeshi Sakuma, Tokyo Metropolitan University, Japan
- Koki Sakuyama, Tokyo Metropolitan University, Japan
- Junichi Takisawa, University of Tokyo, Japan
- H. Akihito Uchida, Tokai University, Japan
- Masaki Watanabe, Tokyo Metropolitan University, Japan
- Taku Watanabe, Tokyo Metropolitan University, Japan
- Shota Yamaguchi, Tokai University, Japan
- Yuma Yanaga, Kyushu Institute of Technology, Japan
- Takahiro Ito, Azusa Muta and Masaru Osaki, UNISEC Alumni Association (UNISAS)
(Note: committees are listed in alphabetical order)

Student staff members of Local Host Organization (Kyushu Institute of Technology)
Sho Ito, Hiroshi Fukuda, Takahiro Yamasaki, Atomu Tanala, Yuzo Tanaka, Takuya Motohata,
Trinh Thang Long (Vietnam), Tejumola Raphael Taiwo, (Nigeria), Danny Chen Shiyi (Singapore),
Rahandytiya Ilham (Indonesia), Mohamed Yahia Edries (Egypt), Yuki Asari, Anna Kawano, Kazutaka
Kawasaki, Koyo Taniwaki, Hiroki Hashimoto, Shiro Yasunaga, Takahiro Tomioka, Hiroshi Ishihara,
Haruka Nishio, Muhammad Alkali (Nigeria), Aheieva Kateryna (Ukraine), Al-Mubarak Halla, (Sudan)
Point of Contacts for the 2nd UNISON-Global Meeting

- Angola: Zolana João: Gabinete de Gestão do Programa Espacial Nacional (GGPEN)
- Australia: Naomi Mathers: Australian National University Advanced Instrumentation and Technology Centre
- Bangladesh: Tarekul Islam: Bangladesh University of Engineering and Technology
- Bangladesh: Khalilur Rahman: BRAC University
- Brazil: João Dallamuta: Associação Aerospacial Brasileira
- Bulgaria: Plamen I. Dankov: Sofia University "St. Kliment Ohrisdki"
- Bulgaria: Vesselin Vassilev: CASTRA
- Canada: Larry Reeves: Canadian Satellite Design Challenge Management Society
- Egypt: Ayman Kassem: Cairo University
- Egypt: Mohammed Khalil Ibrahim: Cairo University
- Germany: Klaus Schilling: University of Würzburg
- Ghana: Manfred Quarshie: Regent University College
- Guatemala: Willy Ricardo Cabañas Villagrán: University Rafael Landivar
- Indonesia: Thombi Layukallo: Surya University
- Italy: Fabio Santoni: University of Rome la Sapienza
- Japan: Mengu Cho: Kyushu Institute of Technology
- Kenya: Faith Karanja: University of Nairobi
- Korea: In-Seuck Jeung: Seoul National University
- Lithuania: Virmantas Tomkus: Lithuanian Space Association
- México: Blanca Rebollar: The Mexican Space Agency
- North-Mexico Region: Barbara Bermudez Reyes: Universidad Autonoma de Nuevo Leon
- Mongolia: Tsolmon Renchin: The National University of Mongolia
- Namibia: Smita Francis: Department of Electrical Engineering at Polytechnic of Namibia
- Nigeria: Nnadih S Ogechukwu: African Regional Centre for Space Science and Technology Education in English
- Peru: Hector Bedon: The National University of Engineering (UNI)
- Philippines: Rogel Mari Sese: Regulus SpaceTech
- Philippines: Rosario Ang: The University of the Philippines Diliman (UPD)
- Russia: Igor V Belokonov: Samara State Aerospace University
- Saudi Arabia: Sultan Hasan AlSultan: AlQassim University and Saudi Arabia Parliament
- Singapore: Kay Soon Low: Nanyang Technological University
- Slovenia: Saso Blazic: University of Ljubljana
- South Africa: Arno Barnard: University of Stellenbosch
- Switzerland: Cem O. Asma: Swiss Space Systems
- Taiwan: Jyh-Ching Juang: National Cheng Kung University
- Thailand: Sawat Tantiphanwadi: National Science and Technology Development Agency
- Tunisia: Kamel Besbes: Faculté des Sciences de Monastir
- Turkey: Alim Rustem Aslan: Istanbul Technical University
- USA: Jordi Puig-Suari: Cal Poly

The 3rd Mission Idea Contest

- Review Committee
  - Prof. Rainer Sandau, IAA (Chair)
  - Prof Hiroshi Kawahara, Cyber University
  - Prof. Shinichi Nakasuka, the University of Tokyo
  - Prof. Jordi Puig-Suari, Calpoly
  - Dr. Jerry Sellers, Teaching Science & Technology, Inc.
  - Prof. Herman Steyn, Stellenbosch University
  - Prof. Sir. Martin Sweeting, Surrey Space Centre
  - Dr. Masaya Yamamoto, Weathernews, inc.

- Selection Committee for the Best Poster Award
  - Prof. Fernando Aguado-Agelet: University of Vigo (Chair)
  - Prof. Alim Rustem Aslan: Istanbul Technical University
  - Prof. Hyochoong Bang: The Korea Advanced Institute of Science and Technology (KAIST)
Regional Coordinator

- Angola: Zolana João: Gabinete de Gestão do Programa Espacial Nacional (GGPEN)
- Australia: Naomi Mathers: Australian National University Advanced Instrumentation and Technology Centre
- Bangladesh: Tarekul Islam: Bangladesh University of Engineering and Technology
- Belgium: Ertan Umit, Von Karman Institute for Fluid Dynamics
- Brazil: Fernando Stancato: University of São Paulo
- Brunei: Jose Edgardo Aban: Universiti Brunei Darussalam,
- Bulgaria: Plamen I. Dankov: Sofia University “St. Kliment Ohridski”
- Bulgaria: Vesselin Vassilev: CASTRA
- Canada: Larry Reeves: Canadian Satellite Design Challenge Management Society
- Egypt: Ayman Kassem: Cairo University
- Egypt: Mohammed Khalil Ibrahim: Cairo University
- Ghana: Manfred Quarshie: Regent University College
- Germany: Marco Schmidt: Bochum University of Applied Sciences
- Guatemala: Willy Ricardo Cabañas Villagrán: University Rafael Landivar
- Italy: Fabio Santoni, University of Rome la Sapienza
- Japan: Seiko Shirasaka: Keio University
- Japan: John Polansky: Kyushu Institute of Technology
- Kenya: John Mugwe: Afrosoft
- Kenya: Faith Karanja: University of Nairobi
- Korea: Hyochoong Bang: The Korea Advanced Institute of Science and Technology (KAIST)
- Korea: In-Seuck Jeung: Seoul National University
- Lithuania: Vidmantas Tomkus: Lithuanian Space Association
- México: Esaú Vicente Vivas: Universidad Nacional Autónoma de México
- Mongolia: Tsolmon Renchin: The National University of Mongolia
- Namibia: Smita Francis: Polytechnic of Namibia
- Nigeria: Nnadih S Ogechukwu: African Regional Centre for Space Science and Technology Education in English
- Peru: Hector Bedon: The National University of Engineering (UNI)
- Peru: José F. Oliden Martínez: The National University of Engineering (UNI)
- Philippines: Ariel C. Blanco, University of the Philippines Dilieman (UPD)
- Philippines: Rosario Ang: University of the Philippines Dilieman (UPD)
- Russia: Igor V Belokonov: Samara State Aerospace University
- Saudi Arabia: Sultan Hasan AlSultan: AlQassim University and Saudi Arabia Parliament
- Serbia: Veličo Vukasinović, the Cluster of Serbian Aeronautical Industry – UVIS
- Singapore: Kay Soon Low: Nanyang Technological University
- South Africa: Robert van Zyl: The Cape Peninsula University of Technology
- South Africa: Arno Barnard: University of Stellenbosch
- Spain: Fernando Aguado-Agelet: University of Vigo
- Spain: Ramón Martínez: Universidad Politécnica de Madrid
- Thailand: Sawat Tantiphanwadi: National Science and Technology Development Agency
- Taiwan: Jyh-Ching Juang: National Cheng Kung University
- Tunisia: Kamel Besbes: Faculté des Sciences de Monastir
- Turkey: Alim Rustem Aslan: Istanbul Technical University
- USA: Roland Coelho: Cal Poly
- Venezuela: Lietutenant Andres J. Arenas: University of the Armed Forces (Unefa)
- Vietnam: Pham Anh Tuan: Vietnam National Satellite Center (VNSEC)
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6. Sponsors and Partners
Sponsored by:
City of Kitakyushu
Mitsubishi UFJ Foundation
Society for Promotion of Space Science
Gesellschaft zur Förderung des akademischen Nachwuchses (GeFaN)
IHI Corporation

Supported by
Office of National Space Policy,
Cabinet Office,
Government of Japan

Collaborator:  International Academy of Astronautics (IAA)

7. Exhibitors
- AstreX LLC, Japan  (Shoichi Obata, obata@astrex.jp , +81-(0)6-6484-7262)
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- TAIYO NIPPON SANSO Corporation, Japan (Shinichirou Ejiri, Shinichirou.Ejiri@tn-sanso.co.jp
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- Teaching Science and Technology Inc., USA (Peter Van Wirt, pvanwirt@tsii.net +1-719-494-9739)
- Tyvak Nano-Satellite Systems Inc., USA (Roland Coelho, roland@tyvak.com +1-805-704-9756)
- UNISEC, Japan (Rei Kawashima, einfo@unisec.jp, +81(0)-3-5800-6645)
# Programme

## Day 1 - Tuesday, 18 November 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 9:00</td>
<td>Registration of participants</td>
</tr>
<tr>
<td>9:00 - 15:00</td>
<td><strong>Student Session (the 2nd UNISON-Global Meeting)</strong>&lt;br&gt;<strong>Moderator:</strong> Yuta Kusano, Tokai University and Xiao Ma, Tsukuba University</td>
</tr>
</tbody>
</table>
| 9:00 - 9:30| Opening Speech and Introduction of activities of UNISON (UNISEC Student Organization) - Japan  
Yuta Kusano, Student Representative of UNISEC-Japan and Tokai University, et al (Japan)  
Abdulla Hil Kafi, BRAC University (Kyushu Institute of Technology) |
| 9:30 - 9:38| Student presentation - Bangladesh  
Hassan Ali Hassan Fouad, Cairo University |
| 9:38 - 9:46| Student presentation – Egypt  
Hassan Ali Hassan Fouad, Cairo University |
| 9:46 - 9:54| Student presentation - Germany  
Slavi Dombrovski, University of Würzburg |
| 9:54 - 10:02| Student presentation - Ghana  
Aaron Yankey Antwi, All Nations University |
| 10:02 - 10:10| Student presentation - Italy  
Marcello Valdatta, University of Bologna |
| 10:10 - 10:18| Student presentation - Korea  
Ji Hyun Park, Seoul National University |
| 10:18 - 10:26| Student presentation - Lithuania  
Algis Karpavicius, Kaunas University of Technology |
| 10:26 - 10:34| Student presentation - Mexico  
Octavio Rafael Farias Altamira, Universidad Autónoma de Nuevo León |
| 10:34 - 10:50| Coffee Break |
| 10:50 - 10:58| Student presentation - Nigeria  
Obasi, Casmir Oluabuchukwu, University of Nigeria Nsukka |
| 10:58 - 11:06| Student presentation - Peru  
Juan Carlos Huamani Asto, National University of Engineering |
| 11:06 - 11:14| Student presentation - Philippines  
Adrian Josele G. Quional, University of the Philippines |
| 11:14 - 11:22| Student presentation – Poland  
Inna Uwarowa, Warsaw University of Technology |
| 11:22 - 11:30| Student presentation - South Africa  
Iriky Tadadjeu Sokeng, Cape Peninsula University of technology and Jan-Hielke le Roux, Stellenbosch University |
| 11:30 - 11:38| Student presentation - Taiwan  
Jordan Vannisten, National Cheng Kung University |
| 11:38 - 11:46| Student presentation - Tunisia  
Nissen Lazreg, University of Monastir |
| 11:46 - 11:54| Student presentation - Turkey  
Mehmet Şevket ULUDAG, Istanbul Technical University |
| 12:00 - 13:00| Lunch (Light lunch will be served) |
| 13:00 - 15:00| Kyushu Institute of Technology Lab Tour  
**Moderator:** Akira Miyahara, KyuTech & H. Akihito Uchida, Tokai University |
| 13:00 - 13:10| Introductory Remarks  
Akira Miyahara, Kyushu Institute of Technology, Japan |
| 13:10 - 14:10| Lab and satellite testing facilities tour by small groups |
| 14:10 - 14:30| An Example of university collaboration in using satellite testing facilities – case of “PROCION”  
Takuro Furumoto, University of Tokyo |
| 14:30 - 15:00| Discussion - sharing views, experiences, etc on satellite testing  
All participants |
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Organizer/Contact</th>
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<tbody>
<tr>
<td>15:00-15:30</td>
<td>Registration of the 2nd UNISEC-Global Meeting and Coffee/Tea Break</td>
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<tr>
<td>15:30-15:50</td>
<td>Welcome Speech &amp; Introduction to UNISEC Global</td>
<td>Rei Kawashima, UNISEC</td>
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<tr>
<td>15:50-16:00</td>
<td>Opening Remarks</td>
<td>Rainer Sandau, IAA</td>
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<tr>
<td>16:00-16:10</td>
<td>Opening Remarks</td>
<td>Werner Balogh, United Nations</td>
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<tr>
<td>16:10-18:20</td>
<td><strong>Country Reports from Point of Contacts</strong> (each 8min.x 14 reports/presentations)</td>
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<tr>
<td>16:10-16:18</td>
<td>Australia</td>
<td>Naomi Mathers, ANU Advanced Instrumentation and Technology Centre</td>
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<tr>
<td>16:18-16:26</td>
<td>Bangladesh (Local Chapter Candidate)</td>
<td>Maisun Ibn Monowar, BRAC University (Kyushu Institute of Technology)</td>
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<tr>
<td>16:26-16:34</td>
<td>Egypt (Local Chapter Candidate)</td>
<td>Mohammed Khalil Ibrahim, Cairo University</td>
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<td>16:34-16:42</td>
<td>Ghana</td>
<td>Manfred Quarshie, Regent University College</td>
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<tr>
<td>16:42-16:50</td>
<td>Germany (Local Chapter Candidate)</td>
<td>Klaus Schilling, University of Wuerzburg</td>
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<td>16:50-16:58</td>
<td>Korea</td>
<td>In-Seuck Jeung, Seoul National University</td>
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<tr>
<td>16:58-17:10</td>
<td><strong>Short Break</strong></td>
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<tr>
<td>17:10-17:18</td>
<td>Lithuania (Local Chapter Candidate)</td>
<td>Vidmantas Tomkus, Lithuanian Space Association</td>
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<tr>
<td>17:18-17:26</td>
<td>Nigeria (Local Chapter Candidate)</td>
<td>Nnadih S Ogechukwu: African Regional Centre for Space Science and Technology Education in English</td>
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<tr>
<td>17:26-17:34</td>
<td>North-Mexico (Local Chapter Candidate)</td>
<td>Barbara Bermudez Reyes, Universidad Autonoma de Nuevo Leon</td>
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<tr>
<td>17:34-17:42</td>
<td>Saudi Arabia</td>
<td>Sultan Hasan AlSultan: AlQassim University and Saudi Arabia Parliament</td>
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<tr>
<td>17:42-17:50</td>
<td>South Africa (Local Chapter Candidate)</td>
<td>Arno Barnard, Stellenbosch University</td>
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<td>17:50-17:58</td>
<td>Taiwan</td>
<td>Jyh-Ching Juang, National Cheng Kung University</td>
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<tr>
<td>17:58-18:06</td>
<td>Tunisia (Local Chapter Candidate)</td>
<td>Omar Ben bahri, University of Monastir</td>
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<tr>
<td>18:06-18:14</td>
<td>Turkey (Local Chapter Candidate)</td>
<td>A.Rustem Aslan, Istanbul Technical University</td>
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<tr>
<td>18:14-18:30</td>
<td>Welcome speech from Host organization and Closing remarks of the 1st Day</td>
<td>Mengu Cho, Kyushu Institute of Technology</td>
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<td>19:00-21:00</td>
<td><strong>Student Reception (at Horyu Kaikan, 2000JPY/person)</strong></td>
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<td>Time</td>
<td>Session</td>
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<tr>
<td>8:00-8:40</td>
<td>Registration of participants</td>
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<tr>
<td>8:40-8:50</td>
<td>Welcome Speech and Introduction to the 3rd Mission Idea Contest</td>
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<tr>
<td>8:50-9:10</td>
<td>Piezo-active Suspension system for Space Interferometry and Broadband Communications</td>
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<td>9:10-9:30</td>
<td>Moon-sighting satellite &quot;Otsukimi&quot;</td>
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<tr>
<td>9:30-9:50</td>
<td>Africa Nano3: Leveraging NANOscience, NANOtechnology and NANOsatellites for Africa-centred connectivity solutions</td>
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<tr>
<td>9:50-10:10</td>
<td>A nano-satellite constellation for tracking and monitoring endangered wildlife in developing countries</td>
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<td>10:10-10:40</td>
<td>Group Photo and Coffee/Tea Break</td>
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<tr>
<td>10:40-11:00</td>
<td>Lunar Relativistic Positioning System (LRPS) for Human Exploration</td>
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<td>11:00-11:20</td>
<td>Clouds Height Mission</td>
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<td>11:20-11:40</td>
<td>CubeSat amateur laser communication with Earth to Moon orbit data link capability</td>
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<tr>
<td>11:40-12:00</td>
<td>A Concept for a Microgravity Experiment Recoverable Satellite &quot;MERS&quot;</td>
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<tr>
<td>12:00-12:20</td>
<td>TwinCube - Proposal for Tether Supported Plasma Measurement 3-Unit CubeSat</td>
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<tr>
<td>12:20-13:50</td>
<td>Poster Session at Horyu Kaikan (light lunch will be served)</td>
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<tr>
<td>14:00-14:30</td>
<td>Award Ceremony (Moderator: Shinichi Nakasuka, University of Tokyo)</td>
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<td>15:00-17:30</td>
<td>Bus tour (Chofu Garden)</td>
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<tr>
<td>18:30-20:30</td>
<td>Reception at Mojiko-Hotel (return to Kokura area by bus)</td>
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### Day 3 - Thursday, 20 November 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:30-9:00</td>
<td>Registration of participants</td>
</tr>
<tr>
<td>9:00-10:20</td>
<td><strong>Special Report Session</strong>&lt;br&gt;<strong>Moderator:</strong> Vidmantas Tomkus, Lithuanian Space Association&lt;br&gt;&lt;br&gt;Latest news on ROSETTA/PHILAE (including Q&amp;A session) Klaus Schilling, University of Wuerzburg&lt;br&gt;10:00-10:10 Status Report for QB50 Rustem Aslan, Istanbul Technical University&lt;br&gt;10:10-10:20 Report of the 5th CanSat Leader Training Program (CLTP5) and Announcement of CLTP6 Harunori Nagata, Hokkaido University as CLTP5&amp;6 Host Univ.</td>
</tr>
<tr>
<td>10:20-10:40</td>
<td>Coffee/Tea Break</td>
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<tr>
<td>10:40-17:00</td>
<td>Small Group Discussion Session&lt;br&gt;<strong>Moderator:</strong> Kentaro Nishi, Tokyo Metropolitan University and Tejumola Taiwo, Kyushu Institute of Technology&lt;br&gt;10:40-10:50 Introductory Remarks Kentaro Nishi, Tokyo Metropolitan University&lt;br&gt;10:50-11:35 Short Briefing by Moderator of each Group&lt;br&gt;10:50-10:55 Group 1: Opportunities and challenges associated with interplanetary nanosatellite missions Jordan Vanmitsen, National Cheng Kung University&lt;br&gt;10:55-11:00 Group 2: Remote Sensing Data User Group Prof Sultan Alsultan, Alqassim University (Prof Akira Iwasaki, University of Tokyo)&lt;br&gt;11:00-11:05 Group 3: Space mining using nano-micro satellites Mehmet Sevket Uludağ (Prof. A.Rüstem Aslan), Istanbul Technical University&lt;br&gt;11:05-11:10 Group 4: Prospective of CanSat Hands-on Education Projects Mohammed Khalil Ibrahim, Cairo University and Hiraku Sakamoto, Tokyo Institute of Technology&lt;br&gt;11:10-11:15 Group 5: Safety Standards of University Rocket Prof. Koichi Yonemoto, Kyushu Institute of Technology and Yutaka Wada, Akita University&lt;br&gt;11:15-11:20 Group 6: How to design an EML to be capable of launching pico satellites (mass &lt; 1kg) into LEO Nevsan Sengil, University of Turkish Aeronautical Association&lt;br&gt;11:20-11:25 Group 8: Ground Station Network (GSN) Yuji Sakamoto, Tohoku University&lt;br&gt;11:25-11:30 Group 9: How to manage UNISON Yuta Kusano, Tokai University and Xiao Ma, Tsukuba University&lt;br&gt;11:30-11:35 Group 10: Successfully launching university satellites: From design to orbit Roland Coelho, Cal Poly, USA&lt;br&gt;11:35-15:50 Discussions by each small group (including lunch)&lt;br&gt;15:50-16:10 Coffee/Tea Break (Back to main hall)&lt;br&gt;16:10-16:55 Presentations by each group (each 5min x 9 Selected Speakers)&lt;br&gt;17:00-17:50 Acknowledgement of new local chapters &amp; Closing&lt;br&gt;17:50-18:00 Closing Remarks Mengu Cho, Kyushu Institute of Technology&lt;br&gt;18:30- Gala Dinner at Kin-Nabe Restaurant (traditional Japanese restaurant)</td>
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Note

• Congress Kit, Coffee/Tea break during the Meeting and Reception Dinner on Nov 19 are included in the registration fees.
• Information in this document is subject to change without notice.
• This meeting is broadcasted through Ustream. http://www.ustream.tv/channel/unisec-global
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For your reference, the 1st UNISEC-Global Meeting of last year is available on the Youtube channel above. Thank you.

UNISEC-Global Secretariat
Map of Kyushu Institute of Technology and Rooms for Group Discussion (Nov 20)