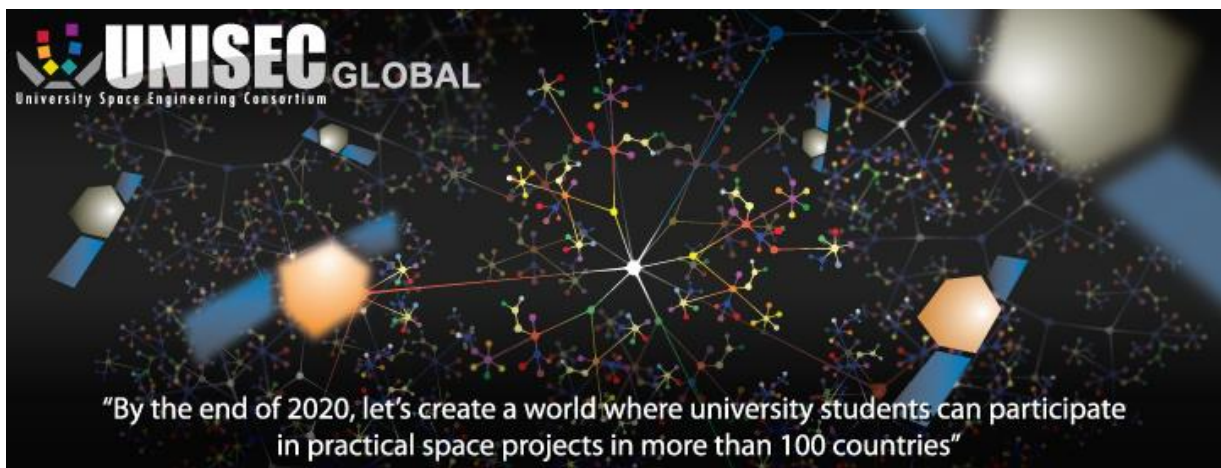


The 3rd UNISEC-Global Meeting Programme

3-5 July 2015, Tokyo, Japan

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



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, together with these countries, established the UNISEC-Global in 2013. One of its main purposes is to facilitate collaborative efforts beyond national boundaries, and to contribute to the development of solutions to global issues. The UNISEC-Global has its 3rd meeting in July 2015.

2. Objectives of the 3rd Meeting

Based upon the establishment of UNISEC-Global and other decisions at the first UNISEC-Global Meeting in November 2013 at the University of Tokyo in Japan,

- To follow up the successful outcomes made at the second UNISEC-Global meeting at the Kyushu Institute of Technology, Kitakyushu, Japan on November 18-20, 2014,
- To review the on-going activities of the new local chapters (11 countries/regions and one association of local chapters), which were acknowledged at the 2nd UNISEC-Global Meeting and to share information for further advancement,
- To acknowledge new applications for the UNISEC-local chapters,
- To provide a forum for the UNISON-Global (student organization) to exchange their opinions about research activities and issues they face for closer cooperation at a student level around the world,
- To contribute to exploring every possibility of using micro/nano-satellites for scientific, social and economic needs, with technical and financial feasibilities,
- To contribute to identifying and finding new aspects of space science and engineering through in-depth discussion on an item by item basis.

3. Venue: Takeda Hall, Asano Campus, the University of Tokyo, Tokyo, Japan
2-11-16, Yayoi, Bunkyo-ku, Tokyo

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

5. Organization for the 3rd UNISEC-Global Meeting

✧ General Chairperson

Prof. Shinichi Nakasuka, the University of Tokyo

✧ 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. Klaus Schilling, University of Würzburg
- Prof. Herman Steyn, Stellenbosch University

✧ **Local Organizing Committee**

- Prof. Shinichi Nakasuka, the Univ. of Tokyo (Chairperson)
- Prof. Mengu Cho, Kyushu Institute of Technology (Vice Chairperson)
- Prof. Harunori Nagata, Hokkaido Univ. (Vice Chairperson)
- Prof. Toshiya Hanada, Kyushu Univ.
- Prof. Koju 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. Keiichi Okuyama, Kyutech
- Prof. Hironori Sahara, Tokyo Metropolitan Univ.
- Prof. Koichi Yonemoto, Kyutech

Staff members for Local Organizing Committee

Yuta Sugimoto, Takeo Tokiwa, Nobuya Nakamura, UNISEC

✧ **Student Committee**

- Xiao Ma, University of Tsukuba (Chairperson)
- Yumiko Okada, Kyushu Institute of Technology (Vice Chairperson)
- Yuko Kawasoe, University of Tokyo (Vice Chairperson)
- Ryo Hirasawa, Keio University; and UNISON Student Representative
- Kento Ohinata, Nihon University; and UNISON Student Representative
- Yuuichirou Watanabe, Akita University; and UNISON Student Representative
- Masahiro Furumoto, Kyushu University
- Hiroshi Fukuda, Kyushu Institute of Technology
- Koki Sakuyama, Tokyo Metropolitan University
- Ayana Banno, Tokai University
- Daichi Manabe, University of Tsukuba
- Kou Minowada, Tokai University
- Masaki Watanabe, Tokyo Metropolitan University
- Taku Watanabe, Tokyo Metropolitan University
- Mayu Banno, Tokyo Metropolitan University
- Rahmatillah Rahmi, Kyushu Institute of Technology
- Adelaida Castillo Duran, Kyushu Institute of Technology
- Rafael Rodriguez, Kyushu Institute of Technology
- Dmytro Faizullin, Kyushu Institute of Technology
- Naoya Okitsu, Tokyo Metropolitan University
- Takeshi Tada, Tokyo Metropolitan University
- Ai Tamura, Tokyo Metropolitan University
- Chiharu Uematsu, Tokai University
- Yuichi Nakada, Tokai University
- Yukiya Tanaka, Keio University
- Mayank Jain, Tokyo Metropolitan College of Industrial Technology
- Iori Kawahara, Tokyo Metropolitan College of Industrial Technology
- Shota Yamada, Nihon University

Student staff members of Local Host Organization (Tokyo University)

Yuki Koshiro, Kakeru Tokunaga, Shunichiro Nomura, Akifumi Wachi

✧ **Point of Contacts for the 3rd UNISEC-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: Universidade Tecnológica Federal do Paraná
- 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
- Germany: Klaus Schilling: University of Würzburg
- Ghana: Manfred Quarshie: Space Science Systems Research Institute
- 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: Vidmantas 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: The Environmental Remote sensing Center TECRS
- 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: SpaceThai
- Tunisia: Kamel Besbes: University of Monastir
- Turkey: Alim Rustem Aslan: Istanbul Technical University
- USA: Jordi Puig-Suari: Cal Poly

✧ **The Preliminary Workshop for the 4th Mission Idea Contest (PreMIC4)**

- Review Committee
 - Prof. Rainer Sandau, IAA
 - 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. Alim Rustem Aslan, Istanbul Technical University
 Prof. Mohammed Khalil Ibrahim, Cairo University

Prof Hiroshi Kawahara, Cyber University
Prof. Shinichi Nakasuka, the University of Tokyo

➤ Regional Coordinator

Angola: Zolana Joao: the Angolan National Office for Space Affairs
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
Bulgaria: Vesselin Vassilev: Cluster Aero-Space Technologies, Research & Applications (CASTRA)
Canada: Larry Reeves: Canadian Satellite Design Challenge Management Society
Egypt: Ayman Kassem: Cairo University
Egypt: Mohammed Khalil Ibrahim: Cairo University
Ghana: Manfred Quarshie: Space Science Systems Research Institute
Germany: Marco Schmidt: Bochum University of Applied Sciences
Guatemala: Willy Ricardo Cabañas Villagrán: Astrotechnologies Cabañas & Acuña, S.A.
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 (SNU)
Lithuania: Vidmantas Tomkus: Lithuanian Space Association
México: Esaú Vicente Vivas: Universidad Nacional Autónoma de México (UNAM)
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)
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Philippines: Rosario Ang: University of the Philippines Diliman (UPD)
Russia: Igor V Belokonov: Samara State Aerospace University
Serbia: Velibor Vukasinovic, Cluster of Serbian Aeronautical Industry – UVIS
Singapore: Kay Soon Low: Nanyang Technological University
Saudi Arabia: Sultan Hasan AlSultan, The Environmental Remote sensing Center TECRS
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
Switzerland: Cem O. Asma: Swiss Space Systems Holding SA – S3
Thailand: Sawat Tantiphanwadi: SpaceThai
Taiwan: Jyh-Ching Juang: National Cheng Kung University
Tunisia: Kamel Besbes: University of Monastir
Turkey: Alim Rustem Aslan: Istanbul Technical University
USA: Bungo Shiotani: University of Florida
USA: Roland Coelho: Cal Poly
Venezuela: Lietutenant Andres J. Arenas: University of the Armed Forces (Unefa)
Vietnam: Pham Anh Tuan: Vietnam National Satellite Center (VNSC)

✧ **Focal Point:**

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6. Sponsors and Partners

Sponsored by:

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Satellite Business Network
IHI

Supported by

**Office of National Space
Policy, Cabinet Office,
Government of Japan**



Collaborator:



International Academy of Astronautics (IAA)

7. Exhibitors

Exhibitor	Country	person in charge	e-mail	Tel
TAIYO NIPPON SANSO Corporation	Japan	Jinetsu Inomata	Jinetsu.Inomata@tn-sanso.co.jp	81-44-288-6963
GomSpace ApS	Denmark	Dennis Elgaard / Akira Yamamoto	del@gomspace.com ayamamoto@nasam.com	45-2094-1337
Hyperion Technologies	The Netherlands	Steven Engelen	s.engelen@hyperiontechnologies.nl	31628959499
ISIS-Innovative Solutions in Space B.V.	The Netherlands	Julien Hennequin	j.hennequin@isispace.nl	31-15-256-9018
University Space Engineering Consortium (UNISEC)	Japan	Michio Ozawa	ozawa@unisek.jp	81-3-6231-4404

8. Programme

Day1 - Friday, 3 July, 2015		
8:00 -9:00	Registration of participants	
9:00-10:00	Opening Session	
	Moderator: Mohammed Khalil Ibrahim, Cairo University	
9:05-9:25	Opening Speech	Shinichi Nakasuka, University of Tokyo
9:25 -9:45	Keynote Speech, “World's First Deep Space Exploration Micro-Satellite PROCYON”	Ryu Funase, University of Tokyo
9:45-9:53	Latest Updates from COPUOS and BSTI	Werner Balogh, The United Nations Office for Outer Space Affairs
9:53-10:00	Overview and schedule of the 3 rd UNISEC Global Meeting	Rei Kawashima, UNISEC
10:00-10:30	Group Photo, Coffee/Tea Break, Exhibition Poster Session Preparation	
10:30-12:45	Preliminary Workshop for the 4th Mission Idea Contest (PreMIC4) Mission Proposer Presentation	
	Moderator: Seiko Shirasaka, Keio University	
10:30-10:40	Overview of PreMIC4	Hiroshi Kawahara, Cyber University
10:40-11:00	HORUS constellation - The celestial convoy	Saverio Cambioni, Alice Pellegrino, Sapienza - University of Rome, Italy
11:00-11:20	Nanosat Constellation for water monitoring system	Resource Provider: Sean Tuttle, The University of New South Wales Canberra, Australia (Mission Proposer: Isaac Kuma Yeboah, Space Science Systems and Research Institute (SSSRI)-Ghana)
11:20-11:40	Rental Satellite for Space Education Development	Erdenebaatar Dashdondog, Kyushu Institute of Technology, Japan
11:40-12:00	Low-Cost Communication Network for Equatorial Remote Areas	BENDOUKHA Sidi Ahmed and Adelaida C. Duran, Kyushu Institute of Technology, Japan
12:00-12:20	QARMAN: QB50 QUBESAT FOR AEROTHERMODYNAMIC RESEARCH AND MEASUREMENTS ON ABLATION	Ertan Umit, von Karman Institute for Fluid Dynamics, Belgium
12:20-12:45	Newton Small Space Telescope	João Dallamuta, UTFPR - Universidade Federal do Paraná, Brazil Resource Provider: Marcello Valdatta, NPC Spacemind, Italy, (Shigeki Kuzuoka, Satellite Business Network, Japan)
12:45-13:45	Lunch at Foyer (Light lunch will be served), Exhibition Poster Session Preparation	
13:45-15 :10	Preliminary Workshop for the 4th Mission Idea Contest (PreMIC4) Resource Provider Presentation	
	Moderator: Ayman Kassem, Cairo University	
13:45-13:55	STEMN	Jack Yeh, Australia
13:55-14:05	GomSpace Aps	Dennis Elgaard, Denmark
14:05-14:10	NPC Spacemind	Marcello Valdatta, Italy
14:10-14:20	Surrey Satellite Technology Ltd (SSTL)	Alex da Silva Curiel and Tom Lacey, UK
14:20-14:30	Centre for Nanosatellite Testing, Kyushu Institute of Technology	Mengu Cho and John Polansky, Japan
14:30-14:40	Hyperion Technologies	Steven Engelen, The Netherlands

14:40-14:50	Satellite Business Network	Shigeki Kuzuoka, Japan
14:50-15:00	ISIS – Innovative Solutions In Space B.V.	Julien Hennequin
15:00-16:00	Poster Session for PreMIC4, Student Poster Session, Coffee/Tea Break, Exhibition	
PreMIC4	Landmines Mapping Satellite	Mahmoud Elmohr, Planetarium Science Center, Bibliotheca Alexandrina, Egypt
PreMIC4	VAPR: Venus Atmospheric Pathfinder Research Vehicle	Courtney Bright, University of New South Wales Canberra, Australia
PreMIC4	THOR - Lightning detection with CubeSats Generating solar energy using nano satellites based on smart grid and cloud computing	João Dallamuta, UTFPR - Universidade Federal do Paraná, Brazil
PreMIC4	Intelligent small satellite development for Olives Forest Fire Detection	Chafaa Hamrouni, REGIM Lab, Tunisia
PreMIC4	Generating solar energy using nano satellites based on smart grid and cloud computing	Ahmed Abdelmaksoud, Planetarium Science Center, Bibliotheca Alexandrina, Egypt
PreMIC4	Observational Nano Satellite System: To Detect Oil Spills	Kwasi Poku-Agyemang, Kwame Nkrumah University of Science and Technology, Ghana
PreMIC4	ASELSAT	Sedat NAZLIBİLEK, Atilim University, Turkey
	Student Poster Session	Posters from Student Representatives and Japanese universities
Non-PreMIC4	Maritime Traffic surveillance Using a SAR nanosat over the Tunisian Coast : The SUP'SAR project	Riadh Abdelfattah, University of Carthage
16:00-17:30	Country Reports from Point of Contacts Moderator: John Polansky, Kyushu Institute of Technology	
16:00-16:10	Australia	Sean Tuttle, The University of New South Wales Canberra
16:10-16:20	Brazil	João Dallamuta, Universidade Tecnológica federal do Paraná
16:20-16:30	Egypt (Local Chapter)	Ayman Kassem, Cairo University
16:30-16:40	Korea	In-Seuck Jeung, Seoul National University
16:40-16:50	Mongolia	Tsolmon Renchin, National University of Mongolia
16:50-17:00	Saudi Arabia	Sultan Alsultan, The Environmental Remote sensing Center TECRS
17:00-17:18	Bangladesh (Local Chapter) (video)	Khalilur Rhaman, BRAC University, Bangladesh
17:08-17:16	North Mexico (Local Chapter) (video)	Barbara Bermudez Reyes, UANL
17:16-17:24	Angola (video)	Zolana Joao, Angolan National office for space affairs, Angola
17:30-18:00	Award Ceremony for PreMIC4	
18:30-20:30	Reception at Sanjo-Kaikan, University of Tokyo	

Day2 – Saturday 4 July, 2015		
8:30 -9:00	Registration of participants	
9:00-10:00	Special Lecture and Country Reports from Point of Contacts Moderator: In-Seuck Jeung, Seoul National University	
9:00-9:15	Special Lecture: ARLISS Experiment	Ken Biba, Aeropac, Inc.
9:15-9:25	Tunisia (Local Chapter)	Riadh Abdelfattah, University of Carthage, on behalf of Kamel Besbes, The University of Monastir
9:25-9:35	Turkey(Local Chapter)	Alim Rustem Aslan, Istanbul Technical University
9:35-9:45	Japan (Local Chapter)	Mengu Cho, Kyushu Institute of Technology
9:45-9:55	The Philippines (video)	Rogel Mari Sese, Philippine Space Science Education Program, DOST-SEI
9:55-10:20	Coffee/Tea Break, Exhibition	
10:20-16:40	Small Group Discussion Session Moderator: Xiao Ma, Univ. of Tsukuba and Rafael Rodriguez, KyuTech	
10:20-10:30	Introduction remarks	Xiao Ma, University of Tsukuba
10:30-11:30	Short Briefing by Moderator of each Group	
10:30-10:35	Group1: Global Space Applications and Human Resource Development using the LeanSat approach	John Polansky, Kyushu Institute of Technology
10:35-10:40	Group 2: How to set International Educational Programme suitable for UNISEC/UNISON	Marcello Valdatta, NPC SpaceMind
10:40-10:45	Group 3: CanSat Hands-on Education Projects	Hiraku Sakamoto, Tokyo Institute of Technology, Mohammed Khalil Ibrahim, Cairo University
10:45-10:50	Group 4: Successfully launching university satellites: From design to orbit	Philip Bangert , University of Wuerzburg
10:50-10:55	Group 5: Ground Station Network (GSN)	Yuji Sakamoto, Tohoku University
10:55-11:00	Group 6: Remote Sensing Data User Group	Sultan Alsultan, The Environmental Remote sensing Center TECRS, (Akira Iwasaki, University of Tokyo)
11:00-11:05	Group 7: How should Space Agency support university space activities?	Kentaro Nishi, JAXA
11:05-11:10	Group 8: How Small Satellites Can Comply with the Space Debris Mitigation Guidelines?	Toshiya Hanada, Kyushu University
11:10-11:15	Group 9: Modern DIY Sounding Rockets	Ken Biba, AeroPac, Inc.
11:15-11:20	Group 10: Safety Standards of University Rocket	Yutaka Wada, Chiba Institute of Technology
11:20-11:25	Group 11: University Satellite Network: Knowledge Sharing for Mission Success	Jack Yeh, STEMN, University of Sydney
11:25-15:20	Discussions by each small group (including lunch)	
15:20-15:40	Coffee/Tea Break, Exhibition (Back to main hall)	
15:40-16:40	Presentations by each group (each 5min x 11 Selected Speakers)	
16:40-18:00	Lab Tour (University of Tokyo)	
19:00-21:00	Gala Dinner or Student Party (Optional)	

Day3 - Sunday, 5 July 2015		
8:30 -9:00 Registration of participants		
9:00-9:30 Country Reports from Point of Contacts Moderator: Mengu Cho, Kyushu Institute of Technology		
9:00-9:10	Germany (Local Chapter)	Klaus Schilling, University of Wuerzburg
9:10-9:20	Europe (Association of Local Chapters)	Klaus Schilling, University of Wuerzburg
9:20-9:28	Nigeria (Local Chapter) (video)	Nnadih S Ogechukwu: African Regional Centre for Space Science and Technology Education in English
9:30-10:45 Student Presentation Moderator: Xiao Ma, University of Tsukuba		
9:30-9:38	India	Shanti Swaroop, Kandala, Indian Institute of Technology Hyderabad
9:38-9:46	Korea	Ji Hyun Park, Seoul National University
9:46-9:54	Egypt	Ahmed Atef Abdelsater Hamada, Cairo University
9:54-10:07	Italy	Alice Pellegrino, Sapienza - University of Rome
		Marcello Valdatta, The University of Bologna
10:07-10:15	Tunisia (video message)	Omar Ben Bahri, University of Monastir
10:15-10:23	Turkey	Mehmet Şevket Uludağ, Istanbul Technical University
10:23-10:31	South Africa	Morne Roman, Cape Peninsula University of Technology
10:31-10:39	Australia	Courtney Bright, University of New South Wales Canberra, Australia
10:40-10:55 Coffee/Tea Break, Exhibition		
10:55-11:03	Mongolia	Munkhbayar Selenge, National University of Mongolia
11:03-11:16	Germany	Alexander Kramer, University of Wuerzburg
		Philip Bangert, University of Wuerzburg
11:16-11:24	Nigeria (Video message)	Obasi Casmir Oluabuckwu, University of Nigeria Nsukka (UNN)
11:24-11:39	Japan	Ryo Hirasawa, Keio University Kento Ohinata, Nihon University Yuichiro Watanabe, Akita University;
11:40-12:30 Lunch, Exhibition		
12:30-15:40 Discussion on “How to develop UNISON activities” (Steering Committee Meeting in other room) Moderator: Yumiko Okada, Kyushu Institute of Technology		
12:30-12:45	Introduction	Koki Sakuyama, Tokyo Metropolitan University
12:45-14:05	Discussion in Each Group	
14:05-14:35	Preparation for Presentation	
14:35-15:00 Coffee/Tea Break, Exhibition		

15:00-15:50	Presentation by Each Group	
15:00-15:05	Group1: India	Shanti Swaroop, Kandala, Indian Institute of Technology Hyderabad
15:05-15:10	Group2: Italy	Alice Pellegrino, Sapienza - University of Rome and Marcello Valdatta, The University of Bologna
15:10-15:15	Group3: Turkey	Mehmet Şevket Uludağ, Istanbul Technical University
15:15-15:20	Group4: South Africa	Morne Roman, Cape Peninsula University of Technology
15:20-15:25	Group5: Australia	Courtney Bright, University of New South Wales Canberra, Australia
15:25-15:30	Group6: Mongolia	Munkhbayar Selenge, National University of Mongolia
15:30-15:35	Group7: Germany	Philip Bangert and Alexander Kramer, University of Wuerzburg
15:35-15:40	Group8: Egypt	Ahmed Atef Abdelsater Hamada, Cairo University
15:40-15:45	Group9: Korea	Ji Hyun Park, Seoul National University
15:45-15:50	Group10: Philippines	Adelaida C. Duran, Kyushu Institute of Technology
15:50-16:00	Comments and Questions	
16:00-16:15	Acknowledgement of new local chapters	
16:15-16:25	Announcement of the 4 th UNISEC Global Meeting	Alim Rustem Aslan, Istanbul Technical University
16:25-16:35	Closing Remarks	Harunori Nagata, Chair Person, UNISEC-Japan, Hokkaido University

Note

- Congress Kit, Coffee/Tea and Lunch during the Meeting 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>
- All presentations and materials will be uploaded to the website.
- Photos taken during the meetings may be uploaded to the website and used for other publications

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The Meeting will be posted for record in a few days in the following link:

Youtube <<https://www.youtube.com/user/UNISECmovie/videos>>

UNISEC-Global Secretariat