The 9th UNISEC-Global Meeting Program

November 27th HEPTA-Sat Training 1-day Short Course

Registration: 9:00~
Networking: 9:30~
Hands-on Training: 10:00~18:30

November 28th SPACE Job Fair

Part 1.
Registration: 9:30 ~
Part 1 Start: 10:00 ~ 13:00

Part 2.
Registration: 14:00 ~
Part 2 Start: 14:30 ~ 17:30

International Space Job Fair Party Registration 17:45~
                                    Start   18:00~

November 29th

9:00 -10:00	**Registration**

10:00-11:30	**Opening Ceremony**
	Moderator: Mohammed Khalil Ibrahim, Cairo University
	
	Welcome Speech
	Rei Kawashima, UNISEC-Global
	
	Special Speech
	Robert Twiggs, Twiggs Space Lab
	
	Keynote Speech
	History of University Challenge towards Smaller Satellites
	  - How Japanese micro/nano-satellites Activities Started and is Outcomes -
	                                   Shinichi Nakasuka, the University of Tokyo
	
	CanSat took me to Earth orbits, Asteroids, and Beyond !
	  - An experience of 1st-generation CanSat student –
	                                   Yuichi Tsuda, Japan Aerospace Exploration Agency (JAXA)

11:30-13:00	**Lunch Break**
13:00-13:30	**Move to Mitsui Muromachi Tower**
13:30-18:35	**The 8th Mission Idea Contest (For details, go to next page)**
19:00-20:30	**Reception for UNISEC-Global 10th Anniversary** **MC: Mehmet Sevket Uludag,** Delft University of Technology

November 29th
The 8th Mission Idea Contest Final Presentation

Moderator：**A. Rustem Aslan**, Istanbul Technical University

13:30-13:40	**Opening Speech** **Herman Steyn,** Stellenbosch University	
13:40-14:00	MOTHS (Moon Observation Through Hyperspectral Satellites): 6U Lunar CubeSat constellation for the observation and analysis of Transient Lunar Phenomena	**Michela Boscia, Alessia Di Giacomo and Carolina Ghini,** Sapienza University of Rome, Italy
14:00-14:20	Lunaris: Unveiling the unknown	**David Emanuel Turcu, Remus-Mihail Palade, Robert Andrei Dinu, Andreea-Elena Buraga and Maria-Alexandra Dobre,** Politehnica Bucharest National University for Science and Technology, Romania
14:20-14:40	LEO Backup Earth Navigation System (LEO-BEaNS): a phased-array Ka-band CubeSat constellation PNT solution with the goal of increased reliability	**Tian Cilliers,** Stellenbosch University, South Africa
14:40-15:00	ERFM: Europa Reconnaissance Formation Mission	**Praneel Sharma, Aditya Raj Bhatia, Dhanush Mamillapally and Yash Verma,** SRM Institue of Science and Technology, Kattankulathur, India
15:00-15:20	Monitoring the GHGs on the terrains of the Continental Collision plates and warning system of GLOFs over the Hindu Kush Himalayan range	**Bhawana Pokharel, Bibek Yonzan and Simonkrith Lamichhane,** Institute of Engineering, Pulchowk Campus, Tribhuvan University, Nepal
15:20-15:40	**Break**	
15:40-16:00	Using Constellations of Nanosatellites to Identify Coral Reef Cultivable Areas on The Seafloor	**M A Moontasir Abtahee,** BRAC University, Bangladesh
16:00-16:20	SALVS-01: Specify Animals Location Via Sound (Constellation Mission)	**Tirawat Pintusopon, Chayapat Songpipat, Pongsapat Lakrod and Settasit Settagaroon,** UNISEC-Thailand, Thailand
16:20-16:40	CubeSat-Constellation-Based Global Early Warning Tsunami Forecasting	**Masashi Kamogawa,** University of Shizuoka, Japan
16:40-17:00	CUBESAI: CubeSat-based Sensing and AI for Disease Prediction	**Alper Guvercin, Ipek Olmez and Yunus Emre Ozdemir,** Middle East Technical University, Turkiye
17:00-17:20	CROSSEYE: a CubeSat LEO constellation for plastic litter detection in open sea	**Francesca Pelliccia,** The University of Naples Federico II, Italy
17:20-17:35	**Break**	
17:35-18:05	**Supporting Company Presentation** Challenge to lunar missions as a private company **Masayuki Urata**, Sales Officer of ispace, inc. **Ertan Umit**, Payload Systems Engineer of ispace EUROPE S.A.	
18:05-18:35	**Award Ceremony and Photo Session**	

November 30th

9:00 -9:30	**Registration**	
9:30-12:30	**UNISEC-Global Local Chapter Regional Report** **Moderator: Tetsuhito Fuse,** Kyushu Institute of Technology	
	UNISEC-Taiwan	**Jyh-Ching Juang,** National Cheng Kung University
	UNISEC-Turkiye	**A. Rustem Aslan,** Istanbul Technical University
	UNISEC-Egypt	**Mohammed Khalil Ibrahim,** Cairo University
	UNISEC-Thailand	**Chayapat Songpipat,** King Mongkut's University of Technology
	UNISEC-Ethiopia	**Eyoas Ergetu Areda,** Kyushu Institute of Technology (Proxy)
	UNISEC-Italy	**Paolo Marzioli,** Sapienza University of Rome
10:30-10:50	**Coffee/Tea Break**	
	UNISEC-Japan	**Mengu Cho,** Kyushu Institute of Technology
	UNISEC-India	**Syed Hayath,** Cambridge Institute of Technology
	POC of Netherlands	**Mehmet Sevket Uludag,** Delft University of Technology
	UNISEC-SAR	**Tian Cilliers and Jurgen van der Merwe,** Stellenbosch University
	POC of Zimbabwe	**Victor Mukungunugwa,** Zimbabwe National Geospatial and Space Agency
	UNISEC-Nigeria	**Essien Ewang,** Institute of Space Science and Engineering
	POC of Romania	**Catalin Chelmus,** National University of Science and Technology Politehnica Bucharest (Proxy)
	Video Presentation	**Bangladesh, Namibia, Nepal, New Zealand, Tunisia, and others**
12:30-14:00	**Lunch Break**	
14:00-17:00	**Earth Observation Forefront - Hands-on Workshop** **Moderator: Mohammed Khalil Ibrahim,** Cairo University **Instructors:** **Tatsuya Inoue**, AxelGlobe Business Division, Axelspace Corporation **Pegah Hashemvand Khiabani**, Solution Service Dept.II, Remote Sensing Technology Center of Japan (RESTEC)	
17:00-17:45	**Company Tour (Axelspace)**	
17:45-18:00	**Move to X-NIHONBASHI TOWER**	
18:00-20:30	**Student Session** **Moderator: Hirotaka Sekine, Ten Arai, Tomoki Mochizuki, the University of Tokyo** - **Opening** - **Self-Introduction** - **Origami Experience ~ Paper Airplane ~** - **Group Discussion** - **Closing**	

December 1st

9:00-9:30	**Registration**
9:30-10:50	**Panel Discussion** **Moderator: Maximilien Berthet**, the University of Tokyo **Theme: UNISEC Constellation Mission** **Panelist:** **Herman Steyn,** Stellenbosch University **A. Rustem Aslan,** Istanbul Technical University **Mengu Cho,** Kyushu Institute of Technology **Masashi Kamogawa,** University of Shizuoka
10:50-11:10	**Coffee/Tea Break**
11:10-12:00	**New Initiative Project** **Moderator: Mehmet Sevket Uludag,** Delft University of Technology

	INCAVE - International Network for Cave Analog Validation Experiments: a new project proposal for UNISEC-Global joint experiments in analog missions	**Paolo Marzioli,** Sapienza University of Rome
	Restart of UNISON-Global	**UNISON-Global**
	Establishing a university community for deep space exploration	**Hirotaka Sekine,** the University of Tokyo

12:00-13:30	**Lunch Break**
13:30-15:00	**J-CUBE Workshop** **Moderator: Tetsuhito Fuse,** Kyushu Institute of Technology **Presenter: Mengu Cho,** Kyushu Institute of Technology
15:00-15:30	**Closing Ceremony** **Moderator: T.B.D.**
19:00-21:30	**Gala Dinner (Yakatabune)**

Gala Dinner (Yakatabune) Departure pier: Ecchujima pier 7 minutes from Ecchujima station.
Map : Ecchūjima Pier, 3 Chome-3 Ecchujima, Koto City, Tokyo 135-0044

Note
- *Coffee/Tea, lunch, and Reception during the Meeting are included in the registration fee.*
- *Information in this document is subject to change without notice.*
- *Photos and videos taken during the meetings will be uploaded to UNISEC-Global website/facebook and used for other publications.*