Change in Schedule!

- **Student Presentation Order**
  - Germany
  - Egypt
  - Italy
  - Japan
  - Turkey
  - Peru (*Video*)
  - South Africa
  - Mexico
  - Bulgaria

- **Student Session (10:50 – 14:50)**
- **Closing Ceremony (14:50 - 15:00)**
- **Varna City Trip?? (15:00 - )**
4th UNISEC Global Meeting
Student Session

Tomoyuki Yamasaki (The University of Tokyo, Japan)
Stoil Ivanov (Sofia University, Bulgaria)
Mehmet S. evket Uludag (Istanbul Technical University, Turkey)

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Background

• Many universities are starting a satellite project, but launching a satellite is not something about designing a mission, developing, integrating, launching, and operating.
  • Let’s say I want to start a CubeSat mission. Where do I start??

• Discuss about ALL the stuff that you have to think about when you are starting your own CubeSat project!
• Make a guideline for CubeSat that many people can consult to.
Student Session

• How to Initiate, Plan and Implement an University Nano-Satellite Project – From Idea to Space –

• Time – 10:50 – 14:50 (4 hours including lunch break)

• Our goal – To make a guide for guideline of CubeSat project; ”CubeSat for Dummies”

• We will split into 2 (or 3) groups with diversity and discuss in each group. Each group will have professor as an assistance. (Prof. Aslan and Prof. Miyazaki)
What We Will Discuss

**Agenda A (Discussed in UNIGLO 4) – i.e. Mission design**
- Details of Agenda A (Discussed in UNIGLO 5)

**Agenda B (Discussed in UNIGLO 4) – i.e. Test Facility**
- Details of Agenda B (Discussed in UNIGLO 5)

**Agenda C (Discussed in UNIGLO 4) – i.e. Launch choice**
- Details of Agenda C (Discussed in UNIGLO 5) – Merits and demerits of piggy bag vs. ISS launch

**Agenda D (Discussed in UNIGLO 4) – i.e. Funding**
- Details of Agenda D (Discussed in UNIGLO 5) – Finding possible company that can fund the project
Condition

• Launch – ISS KiboCube (Other suggestions are also welcome)
• CubeSat size – Max 3U (How do we decide 1U or 2U or 3U?)
• Mission – Not decided (Where can we find it? Engineer/Science)

• Presentation – From 14:20 (15 min each)

• And remember, don’t hesitate to speak up!!
Share your country’s situation, that what **UNISEC Global** is for!
Some possible topic

- Mission design
  - Where to find mission
- Launch opportunity
  - Where to find launch?
- Operating
  - Ground station
  - Frequency
- Testing
- Interface (if working with science mission)
- Transportation

- Facility (like clean room)
- Teaming
- Material requirements
  - Cold welding
- Thermal control
- Financing
- Prior knowledge required

- List out all the possible topic that we have to think about!!!
Time schedule

- 11:00 – Get into group; self introduction
- 11:20 – Start discussion!
- 12:30 – Lunch
- 14:00 – Start wrapping up. Prepare presentation
- 14:20 – Presentation
- 14:50 – End!
• Let’s get into group!

• Gather with your friend from your country, and split into two groups