Overview

The 7th Symposium & the 4th Meeting, including the 4th Mission Idea Contest and the Deorbit Device Competition, will be jointly held in on October 18 – 23, 2016.

“By the end of 2020, let’s create a world where university students can participate in practical space projects in more than 100 countries”

July, 2016

University Space Engineering Consortium (UNISEC)
Venue – Kamchia resort, BULGARIA
Sanatorium and Health Complex Resort “Kamchia”

Varna Airport: 1 hour flight from Istanbul; 2.5 h from Frankfurt; 50 minutes flight from Sofia (5 hours by car)

- Local Organiser: CLUSTER for AEROSPACE TECHNOLOGIES, RESEARCH AND APPLICATIONS
Sanatorium and Health Complex Resort “Kamchia” is an unique new facility, which combines a Seaside Resort, a Wellness Center, Children’s Camp, High School, a Palace for Children’s Creative work, Sports and Rehabilitation Center.

The Complex is situated among a preserved nature – clean sea beach, river, forest, neighboring of a Natural Reserve protected by UNESCO. All buildings are new (2013), situated in an oak forest, a handsome park with botanical zones, eco-trails, summerhouses, places for campfires, zones for relax, sports and entertainment are carefully maintained.

Part of the Complex is the Educational and Teaching Center (School) “Yourii Gagarin”. The Center includes a school with 18 cabinets, teaching and acts hall, sports hall, music hall, dancing hall, exhibition hall, children’s media center, press center, Aerospace center with Planetarium, Observatory, Inter-active simulator of the “SOJUZ-TMA” space capsule, Space Museum and other.
IMAGES FROM THE VENUE
Brief Program

• The 7th Nano-Satellite Symposium       October 18-20
• The 4th UNISEC-Global Meeting          October 21-23
  - Deorbit Device Competition           October 20
  - 4th Mission Idea Contest             October 21
(Final paper will be published as the IAA Book Series)
Nano-satellite Symposium

• It covers all fields of nano-satellite with less than 50 kg in weight.
• Speakers will make academic presentations about missions, application, technology, infrastructure (launch, legal aspects, education, etc.) and so on.
• The past symposiums had been held 5 times in Japan as part of the “Hodoyoshi Project”, starting from 2010. The 6th symposium was held last year as one of the programs at ISTS.
• This is a first symposium to be held outside Japan. The 8th one will be held at ISTS (Japan) and the 9th one planned in Australia.
UNISEC-Global Meeting

• The UNISEC-Global Meeting is an annual gathering to expand the system of university consortium beyond Japan which intends to promote practical space projects at university level.

• At present, 13 local chapters have been approved. The UNISEC-Global aims to establish a world community of universities which have practical space engineering curriculum. Its target is to let local chapters of 100 around the world join the community by 2020.

• The first meeting was held in 2013 followed by the 2nd and 3rd ones in Japan.
Mission Idea Contest for Micro/Nano-Satellite Utilization

• This a contest to propose new applications of Micro/Nano-Satellite with less than 50kg in weight.
• Since the 1st Contest as part of the “Hodoyoshi Project in 2011, the Contest has been held 5 times in Japan, including 2 pre-workshops.
• The three publications have been made as the IAA book series.
• There have been regional coordinators of 35 countries around the world.
Deorbit Device Competition

• This is a first competition to propose technical approaches for deorbit devices to prevent space debris.

• It is to facilitate the sharing of innovative solutions for debris mitigation and to develop effective deorbit devices.

• It will be expected to increase awareness for sustainable and harmonious development.