

PROGRAM

Opening Ceremony

10:00 – 14:00	Registration and lunch
14:00 – 15:00	Opening ceremony <u>Welcome speeches</u> <ul style="list-style-type: none">• Dr. Anond SNIDVONGS, Executive Director of GISTDA• Dr. Mohammad Ebrahimi SEYEDABADI, Director General of the Department of Education Training and Database Management of APSCO• H.E. Ivo SIEBER, Ambassador of Switzerland to Thailand <u>Opening speech</u> <ul style="list-style-type: none">• Prof. Maurizio FALANGA, Executive Director, International Space Science Institute in Beijing (ISSI-BJ) Presentation of the tokens of appreciation
15:00 – 15:30	<i>Coffee Break</i>
15:30 – 16:00	General Introduction and Introduction to the School, <i>Prof. Maurizio FALANGA, ISSI-BJ</i>
16:00 – 16:30	Space Science as a Tool for International Collaborations, <i>Prof. Roger M. BONNET, ISSI-Bern</i>
16:30 – 17:30	Steps in Space, <i>Prof. Claude Nicollier, SSC/EPFL</i>
18:00 – 21:00	Welcome cocktail offered by GISTDA

1st APSCO & ISSI-BJ Space Science School

PROGRAM

Monday, October 17

	Subject	Contributor
10:00 – 14:00	<i>Registration and Lunch</i>	
14:00 – 15:00	<i>Opening Ceremony</i>	
15:00 – 15:30	<i>Coffee Break</i>	
15:30 – 16:00	General introduction and Introduction to the School	Maurizio FALANGA
16:00 – 16:30	Space Science as a tool for international collaborations	Roger M. BONNET
16:30 – 17:30	Steps in Space	Claude NICOLLIER
18:00 – 21:00	<i>Welcome Cocktail</i>	

Tuesday, October 18

	Subject	Contributor
09:00 – 10:30	ESA's past, present, and future space science program	Roger M. BONNET
10:30 – 11:00	<i>Coffee Break</i>	
11:00 – 12:30	JAXA's past, present, and future space science program	FUJIMOTO Masaki
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 15:00	ROSCOSMOS's past, present, and future space science program	Natan EISMONT
15:00 – 16:00	Taiwan's past, present, and future space science program	LIU Jann-Yenq
16:00 – 16:30	<i>Coffee Break, Group Photo</i>	



Tuesday, October 18

	Subject	Contributor
16:30 – 17:15	Strategic Priority Program of CAS on Space Science	WU Ji
17:15 – 18:00	APSCO’s states past, present, and future space science program	WU Ji

Wednesday, October 19

	Subject	Contributor
09:00 – 11:00	Designing a sample return mission to an asteroid	FUNAKI Ikkoh
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:30	From science to mission design (JAXA Earth Obs.)	KIMURA Toshiyoshi
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 15:00	From science cases to a mission (ISAS case)	UENO Munetaka
15:00 – 16:00	From science to the Double Star mission	SHI Jiankui
16:00 – 16:30	<i>Coffee Break</i>	
16:30 – 17:30	From science to the Double Star mission	SHI Jiankui
17:30 – 17:45	<i>Student’s talk:</i> Modeling the magnetosphere from spacecraft data using radial basis functions	Varvara ANDREEVA
17:45 – 18:00	<i>Student’s talk:</i> Design, Integration and Testing of small satellites	Muhammad Rizwan MUGHAL

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Thursday, October 20

	Subject	Contributor
09:00 – 11:00	Orbits design for space missions	Natan EISMONT
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:30	Venus Climate Orbiter Akatsuki story	UENO Munetaka
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 15:00	Venus Climate Orbiter Akatsuki story	UENO Munetaka
15:00 – 16:00	Data Centre, infrastructure, and science	Roland WALTER
16:00 – 16:30	<i>Coffee Break</i>	
16:30 – 17:30	Data Centre, infrastructure, and science	Roland WALTER
17:30 – 17:45	<i>Student's talk:</i> Exoplanets: Distinct worlds from the solar system	Shashanka GURUMATH
17:45 – 18:00	<i>Student's talk:</i> Development of a physical mock-up of the electron spectrometer for studying fine aurora structures	Sergey SHUVALOV
19:30	<i>Social Dinner</i>	

Friday, October 21

	Subject	Contributor
09:00 – 11:00	Long March launch vehicles technology	ZHOU Yuanying
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:30	Mission Operations Centre	Peter KRETSCHMAR
12:30 – 14:00	<i>Lunch Break</i>	

How to Design a Space Science Mission

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Friday, October 21

	Subject	Contributor
14:00 – 16:00	Scientific management: data rights and policy	Peter KRETSCHMAR
16:00 – 16:30	<i>Coffee Break</i>	
16:30 – 17:30	Project management: planning and mission cost & risk management	CHAO Chi-Kuang
17:30 – 17:45	<i>Student's talk:</i> UV Emission Mapping of the Intergalactic Medium and Nearby Galaxies	NIU Shu
17:45 – 18:00	<i>Student's talk:</i> Multiple Agile Earth Observation Satellites Scheduling Algorithm On Area Targets	WANG Xinwei

Saturday, October 22

	Subject	Contributor
09:00 – 11:00	The way to Research in Space (Chinese Space Station)	YANG Yang
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:30	Hubble: 25 years of utilization and on-orbit servicing	Claude NICOLLIER
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 15:30	<i>Visit to Space Inspirium - first space museum in Thailand</i>	

Sunday, October 23 - Social excursion

	Activity	Place
07:00 – 07:30	<i>Breakfast</i>	
07:30 - 08:30	<i>Participants in Vertical View leave for Cholchan Hotel</i>	
09:00 – 10:30	<i>All Participants leave for Sattahip beach</i>	

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Sunday, October 23 - Social excursion

	Activity	Place
10:30 – 12:30	<i>Nang Rum Beach</i>	
12:30 – 12:40	<i>Travel to restaurant</i>	
13:00 – 14:00	<i>Lunch - Ruen sak pra du restaurant</i>	Sattahip Navy
16:30 -18:00	<i>Cultural Tour (The boat trip, Visiting Thai cultural village, Monkey Show)</i>	Pattaya Floating Market
18:00 – 19:00	<i>Dinner</i>	
19:00	<i>Travel back to Chonchan hotel / SKP</i>	

Monday, October 24

	Subject	Contributor
09:00 – 11:00	Space Mission design and Operations	Claude NICOLLIER
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:30	Satellite System Engineering	WU Shufan
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 15:00	Satellite Subsystems (AOCS, GNC, Power, etc.)	WU Shufan
15:00 – 16:00	Payload design	CHAO Chi-Kuang
16:00 – 16:30	<i>Coffee Break</i>	
16:30 – 17:30	Payload design	CHAO Chi-Kuang
17:30 – 17:45	<i>Student's talk: Attitude Determination System of Small Satellite</i>	CHIA Jiun Wei
17:45 – 18:00	<i>Student's talk: Modeling Optimization and Realization of Concurrent Design Process based on Design Structure Matrix</i>	YUAN Bin

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Tuesday, October 25

	Subject	Contributor
09:00 – 10:00	General introduction on CubeSat technologies and applications	WU Shufan
10:00 – 11:00	Cubesat mission design and implementation	WU Shufan
11:00 – 11:30	<i>Coffee Break</i>	
11:30 – 12:30	Cubesat mission design and implementation	WU Shufan
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 16:00	Micro-satellites design and integration	Loren CHANG
16:00 – 16:30	<i>Coffee Break</i>	
16:30 – 16:45	<i>Student's talk:</i> Significance of Satellite communication in Nepal	Madhu Sudan DAHAL
16:45 – 17:00	<i>Student's talk:</i> Multidisciplinary Design Optimization for an All-electric GEO Satellite	SHI Renhe
17:00 – 17:15	<i>Student's talk:</i> Determination of Relative Position and Orientation of Nanosatellites by Video Image Analysis	Sergey SIMAKOV
17:15 – 17:30	<i>Student's talk:</i> Design Of Ka-Band Satellite Network For Nepal	Amrita KHAKUREL

Wednesday, October 26

	Subject	Contributor
09:00 – 10:30	Contribution from Thailand	Suthi AKSORNKITTI
10:30 – 11:30	Conclusions	ISSI-BJ/APSCO/ GISTDA
11:30 – 12:30	<i>Closing lunch</i>	