



# 11<sup>th</sup> International Olympiad on Astronomy and Astrophysics (IOAA) 2017

## November 12 – 21, 2017

September 13<sup>th</sup>, 2017

### SECOND CIRCULAR

#### 11<sup>th</sup> International Olympiad on Astronomy and Astrophysics

Phuket, Thailand, November 12-21, 2017

Dear Participants

As you are aware, Thailand is hosting the 11<sup>th</sup> International Olympiad on Astronomy and Astrophysics (IOAA) in Phuket, Thailand during November 12-21, 2017. In the first circular we had given you some basic information about the event. Here are additional information items:

#### Program

Date		Students	Leader
Sun, Nov 12	Whole day	Arrival & Registration	
Mon, Nov 13	Morning	Opening Ceremony	
	Afternoon	Introduction to site/ communication devices check in	IBM1. Data analysis/night observation discussion
	Evening	Free time	Data analysis/night observation translation
Tue, Nov 14	Morning	Data analysis competition	Excursion
	Afternoon	Free time	
	Evening	Night observation (first attempt)	Free time
Wed, Nov 15	Morning	Excursion	IBM2.Theory discussion
	Afternoon		
	Evening	Free time	Theory translation
Thu, Nov 16	Morning	Theory competition	IBM3.Team competition and daytime observation discussion
	Afternoon	Free time	Team competition and daytime observation translation
	Evening	Free time/night observation (second attempt)	Free time
Fri, Nov 17	Morning	Daytime observation	Excursion
	Afternoon		
	Evening	Free time	Free time
Sat, Nov 18	Morning	Team competition	Free time
	Afternoon		
	Evening	Cultural night	
Sun, Nov 19	Morning	Excursion	Moderation
	Afternoon		
	Evening	Free time	IBM Final meeting
Mon, Nov 20	Morning	Closing ceremony	
	Afternoon	Farewell party	
	Evening	Free time/Departure	
Tue, Nov 21	Whole day	Departure	



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### Registration, Passport and Visa

The last date of online registration was August 31, 2017. In case you have not registered and completed the registration for the team, country coordinator must send us an email specifying the date by which you will be able to complete the registration. It is advisable to complete the registration as soon as possible for a smooth in processing visa.

Please note that passport of every participants **should be valid at least for 6 months** after the end of IOAA2017 (till November 21, 2017). If passport of any participant is expiring before this date, he/she must get a new passport.

Thai visa rules differ for different nationalities. Check out the appropriate visa information on the website of the Thai embassy or consulate in your jurisdiction:

<http://www.thaiembassy.org/main/>

Participants from the continents of Africa and South Africa require clearance regarding International Health Certificate for Yellow Fever Vaccination. Please refer to the website given below for information: <http://www.mfa.go.th/main/en/services/4908/15384-List-of-countries-which-require-International-Heal.html>

### List of Participating Countries

Armenia	F.Y.R. of Macedonia	Malaysia	Slovakia
Bangladesh	Georgia	Mali	Slovenia
Belarus	Ghana	Mexico	South Korea
Brazil	Greece	Nepal	Sri Lanka
Bulgaria	Hungary	Pakistan	Thailand
Canada	India	Philippines	Turkey
China	Indonesia	Poland	USA
Colombia	Iran	Portugal	Ukraine
Croatia	Jordan	Qatar	United Arab Emirates
Cyprus	Kazakhstan	Romania	United Kingdom
Czech Republic	Kyrgyzstan	Russia	Vietnam
Ecuador	Laos	Serbia	
Estonia	Lithuania	Singapore	



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### Fee

As an established custom of the IOAA, main team of each participating country does not have to pay any registration fee. Each Scientific Observer is required to pay the registration fee of USD 1,000. Bank transfer should be made payable in full to POSN Foundation **before September 19, 2017.**

After payment is made, please indicate your team leader's name and your country on the bank slip and send a copy of the bank slip via email to [ioaa2017@posn.or.th](mailto:ioaa2017@posn.or.th). Bank transfer details are as follows:

Account Name : POSN Foundation  
Address : Chemical Science Building, 1<sup>st</sup> floor,  
Faculty of Science, Chulalongkorn University,  
254 Pathumwan, Bangkok, Thailand. 10330  
Account Number : 009-253551-6  
Bank Name : Siam Commercial Bank, Bangkok Branch.  
Bank Address : 801 Sukhumwit Soi 45 Sukhumwit (45) Road,  
Khlong Toei Nue Sub District, Watthana District, Bangkok  
10110 THAILAND  
Swift Code : SICOTHBK

### Accommodation

Accommodation will be provided beginning from November 12, 2017 (Check in after 12.00 hrs.) and end on November 21, 2017 (Check out before 12.00 hrs.). All participants will be accommodated in the following hotels:

- **Team Leaders and Observers**  
**Phuket Marriott Resort & Spa Merlin Beach**  
99 Muen-Ngoen Road, Tri-Trang Beach, Patong, Phuket 83150 Thailand  
<http://www.marriott.com/hotels/travel/hktmb-phuket-marriott-resort-and-spa-merlin-beach/>
- **Students**  
**Duangjitt Resort & Spa**  
18 Prachanukroh Road, Kathu, Phuket 83150 Thailand  
<http://duangjittresort-spa.com/>

### Pre- and Post-Olympiad Stay

For teams arriving before the scheduled date (November 12, 2017) and/or departing after scheduled date (November 21, 2017), we can arrange to book accommodation on your behalf. Please note that accommodation charges outside the Olympiad period will be at your own cost and you need to settle your bills directly with the hotels. We suggest you to stay at Duangjitt Resort & Spa at a special rate which is THB 2,900 per night.



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## **Airport Transportation**

The airport in Phuket is called Phuket International Airport (Code: **HKT**). The airport is well connected to International hubs in Bangkok, which are Suvannabhumi International Airport (Code: **BKK**) and Don Mueang International Airport (Code: **DMK**). There are also many flights connected to other cities domestically and internationally. Transport will be provided to all participants from Phuket International Airport to our designated accommodation venues. Teams arriving before November 12, 2017 will also be provided; however, teams departing after November 21, 2017 should make their own arrangement to the airport.

## **Academic Details**

### Telescopes

IOAA 2017 observation examination will involve a use of a 250mm f/5.0 10" Dobsonian Reflector Telescope and a 150mm f/12 4" Refractor Telescope. Pictures of the telescopes will be put up on IOAA 2017 website.

### Calculators

Calculator, **CASIO fx350MS**, will be provided by the organizers to the contestants.

## **Miscellaneous**

### Communication Device

Contestants carrying mobile phones, laptops, tablets, smart watches etc. will have to deposit them with the organizers after the opening ceremony. They will be returned after the completion of all examinations on November 18, 2017. If any contestant is found in possession of communication device during the restricted period, organizers may disqualify him/her entire team from the competition.

### Flags

Each team will be provided with a country flag of size 1.35m x 0.9m. The country coordinators are requested to carefully check and approve the flag motif during online registration. Only these supplied flag will be allowed on stage during ceremonies.

### Information and Contact

Circulars and all relevant information are out up on our website at <https://ioaa2017.posn.or.th> which will be updated regularly.

For more information or queries, please contact at [ioaa2017@posn.or.th](mailto:ioaa2017@posn.or.th).

Sincerely yours,

Assoc. Prof. Dr. Sukree Hajisamae  
Dean, Faculty of Science and Technology  
Prince of Songkla University, Pattani Campus  
IOAA2017 Organizer

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<https://ioaa2017.posn.or.th> ☛ <https://www.facebook.com/ioaa2017>

## 10" Dobsonian Reflector Telescope



Optical design	:	Reflector
Optical diameter	:	250 mm
Focal length	:	1250mm
Focal ratio	:	f/5.0
Optics type	:	Parabolic
Eyepieces	:	Plossl 12.5mm 25mm
Magnification	:	100x, 50x
with included eyepieces	:	
Resolving power	:	0.46 arc seconds
Finder scope	:	8x50
Mount type	:	Dobsonian

## 4" Refractor Telescope



Optical design	:	Achromatic Refractor
Optical diameter	:	102 mm
Focal length	:	1200mm
Focal ratio	:	f/12
Type of coating	:	Multi coated
Eyepieces	:	Plossl 12.5mm 25mm
Diagonal mirror	:	31.7mm (1.25")
Magnification	:	96 x 48x
with included eyepieces	:	
Resolving power	:	1.35 arc seconds
Finder scope	:	8x50
Mount type	:	German/Equatorial Mount
Fine movements	:	Manual (RA and DEC)