



No.04278/ 855

Office of the Basic Education Commission  
Ministry of Education, Bangkok 10300  
Tel. +66 2288 5920

6 September 2019

Dear Dr. Isao Taniguchi

**Subject: Invitation to Participate in Thailand-Japan Students Science Fair 2020**

On behalf of the Office of the Basic Education Commission and Princess Chulabhorn Science High Schools Committee. I am pleased to announce the holding of the Thailand-Japan Student Science Fair 2020 (TJ-SSF 2020) at Princess Chulabhorn Science High School (PCSHS) Trang, Thailand during June 11 – 13, 2020.

It is our great pleasure to invite you, your teacher and students to take part in the TJ-SSF 2020 for presentations of science projects among Grade 11 students at Princess Chulabhorn Science High School (PCSHS) Trang, Thailand. The active academic collaboration between Princess Chulabhorn Science High Schools and National Institute of Technology (KOSEN) has proved to be very beneficial to the development of students in various aspects including enhancing scientific mind and competences with better interpersonal and communication skills as well as broadening their global outlook.

We will be pleased to provide accommodation, meals, and local transportation between Trang province airport and PCSHS Trang for all participants during their participation in the TJ-SSF 2020. Participating schools will, however, be responsible for organizing and financing their international travel arrangements from their countries of residences to Trang province airport. Participants are highly recommended to prepare travel and health insurance prior to their trips.

Please feel free to contact the TJ-SSF 2020 coordinator, or visit website: <http://tjssf2020.pcctrng.ac.th> for further information on the event.

We look forward to your support and participation in the Thailand-Japan Students Science Fair 2020 at PCSHS Trang.

Yours sincerely,

Mr. Peera Ruttanawijit  
Deputy Secretary-General  
Acting for Secretary-General  
Office of the Basic Education Commission

Dr. Isao Taniguchi  
President  
National Institute of Technology of Japan  
701-2 Higashiasakawa-machi,  
Hachioji, Tokyo 193-0834 Japan



# Thailand - Japan Student Science Fair

# 2020

**Thailand-Japan Student Science Fair 2020 (TJ-SSF 2020)**

**Princess Chulabhorn Science High School Trang**

**11 – 13 June 2020**

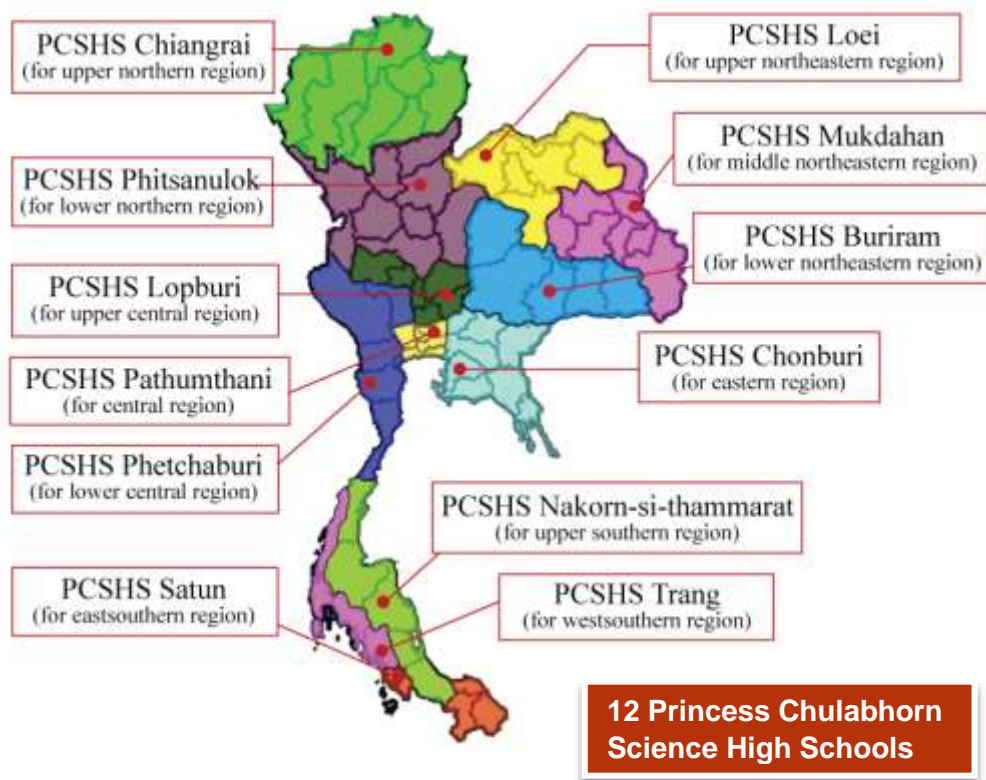
TJ-SSF 2020 brings together hundreds of high school students and teachers from Thailand and Japan, who are passionate about Mathematics, Science and Technology. This event is funded by the Office of the Basic Education Commission (OBEC), Ministry of Education, Thailand, with support from the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan.



<http://tjssf2020.pcshstrg.ac.th>



Twelve Princess Chulabhorn Science High Schools (PCSHS) were established in honor of Her Royal Highness Princess Chulabhorn to commemorate her 36th birthday in 1993. Prof. Dr. Her Royal Highness Princess Chulabhorn is the youngest daughter of His Late Majesty King Bhumibol Adulyadej and Queen Sirikit of Thailand. She has been an instructor in Chemistry at Mahidol University since 1985. She is also a member of the President's Council of the University of Tokyo.



Being leading science high schools located nationwide, only students with outstanding academic achievements in Mathematics and Science are selected to study at PCSH. Not only do they utilize specialized and intensive curricula in Mathematics and Science emphasizing on research activities, but they also have developed academic cooperation with Super Science High Schools (SSH and National Institute of Technology (KOSEN)) in Japan. The cooperation has included online communication and student/teacher exchange, which lead to collaborative research.

The inspiring events of TJ - SSF 2015, TJ - SIF 2016, TJ - SSF 2018, TJ - SIF 2019 and Thailand-Japan Student Science Fair 2018 marked the advancement in science education of both countries. Moreover, the said activities fostered the creativity and scientific awareness as well as technological innovation among Thai and Japanese youths.

**TJ-SSF 2020 will ensure the collaborative teaching and learning**, and thus building closer and stronger collaboration in gifted education in Mathematics and Science between the two countries, as the motto of TJ-SSF "Seeding Innovations through Fostering Thailand - Japan Youth Friendship"



**Objective:** To scientifically and culturally exchange knowledge and experiences among students, teachers, and executives in gifted education in Science and Technology to cultivate global outlook for improving Thailand-Japan's sustainability and competitiveness in the 21st century

**Host:** Thailand

**Dates:** 11–13 June 2020

**Venue:** Princess Chulabhorn Science High School Trang, Mueang, with dormitory capacity of 720 students, approx. 1 hour flight from Don Mueang Domestic Airport to Trang Airport

**Activities:** Oral and poster presentations of science projects by students, special lectures in science by Thai and Japanese leading scientists, teachers workshop, science activities and field trips.

**Target Participants:**

- 150 Japanese students from Super Science High Schools and KOSEN
- 240 Thai students from Science High Schools and Special Science Classrooms
- 144 Japanese and Thai Science teachers
- 84 Executives and principals

**Official Language:** English

# Program Highlights

WED 10 JUN 2020	THU 11 JUN 2020	FRI 12 JUN 2020	SAT 13 JUN 2020
Arrival at PCSHS Trang	Opening Ceremony by H.R.H. Princess Maha Chakri Sirindhorn	Special Lectures	Field Trip
Local Wisdom Activities		Oral and Poster Presentations	Field Trip Presentation
Preparation for Oral and Poster Presentations	Plenary Lectures	Science Walk Rally	Farewell Party
	Oral and Poster Presentations	Teacher Show and Share	
	Welcome Party and Cultural Exchange Activities	Principal Meeting	
		Astronomy Night	



PENINSULAR BOTANIC GARDEN



KHAO CHONG BOTANICAL GARDEN



RAJAMANGALA UNIVERSITY OF TECHNOLOGY SRIVIJAYA TRANG CAMPUS



KEY DATE # 1

**7** JAN 2019

Last Date for Registration

KEY DATE # 2

**7** FEB 2020

Abstract Submission

KEY DATE # 3

**7** MAR 2020

Notification of Acceptance

KEY DATE # 4

**7** APR 2020

Full Papers Submission

CONTACT INFORMATION:

Secretariat Office

Princess Chulabhorn Science High School Trang

196 Moo 4 Bangruk, Mueang, Trang 92000 Thailand

Telephone: +66 (0) 75 590 364 FAX: +66 (0) 75 590 367

Email : [tjssf2020@gmail.com](mailto:tjssf2020@gmail.com) Website : <http://tjssf2020.pcshstrg.ac.th>



**TJ-SSF  
2020**



**Tentative Schedule for  
Thailand-Japan Student Science Fair 2020 (TJ-SSF 2020)  
Princess Chulabhorn Science High School Trang from 10-13 June 2020**

Time	Activities			Venue
	Students	Teachers	Principals	
Day 1: 10 June 2020				
07.00-15.00	Arrival of Japanese Participants at Suvarnabhumi International Airport and Transit to Krabi International Airport or Trang Airport and Receiving Escorts by Partner Schools to PCSHS Trang			Partner school’s van
15.00-17.00	Registration Luggage drop at school’s dormitories Experience of Trang’s local wisdom			“Dome” Multi-building
17.00-18.00	Poster Installation			Science Building
18.00-19.00	Dinner			School Cafeteria
19.00-19.30	Orientation			Principals and teachers move to hotel accommodation
19.30-20.00	Rest			
Day 2: 11 June 2020				
06.00-07.00	Breakfast			School Cafeteria
07.00-07.30	Move to the auditorium. Video presentation of Princess Chulabhorn Science High School (PCSHS)			Auditorium
10.00	1. Greeting protocol for HRH Princess Maha Chakri Sirindhorn at the opening ceremony of Thailand-Japan Student Science Fair 2020 (TJ-SSF 2020) 2. HRH Princess Maha Chakri Sirindhorn is welcomed by Minister of Education, Governor of Trang, Advisor to the Steering Committee of Princess Chulabhorn Science High School, The Secretary General of the Office of Basic Education Commission (OBEC) and PCSHS Trang Principal 3. A representative of PCSHS Executive Board presents a flower garland. 4. A student representative of PCSHS Trang proceeds to the auditorium. 5. HRH Princess Maha Chakri Sirindhorn proceeds to the auditorium.			
10.05-10.15	6. HRH Princess Maha Chakri Sirindhorn is seated (on stage). 7. OBEC Secretary presents a program book and proceedings of TJ-SSF 2020. 8. Minister of Education gives a report on TJ-SSF 2020 to HRH Princess Maha Chakri Sirindhorn.			

Time	Activities			Venue
	Students	Teachers	Principals	
	9. HRH Princess Maha Chakri Sirindhorn delivers an inaugural address to participants of the TJ-SSF 2020.			
10.15-10.25	HRH Princess Maha Chakri Sirindhorn rests in the Royal Waiting Room 1 HRH Princess Maha Chakri Sirindhorn proceeds to the auditorium and is seated in front of the stage.			
10.25-10.30	Video Presentation of TJ-SSF 2020			
10.30-10.35	Stage Performance by PCSHS Trang (Blessing Dance)			
10.35-10.50	Oral Presentation of selected science projects in English Thai students' science project Japanese students' science project			
10.50-11.20	Plenary lecture by Professor Dr. Akira Yoshino, Meijo University Presentation of a token of appreciation to the plenary lecturer by HRH Princess Maha Chakri Sirindhorn			
11.30-12.30	HRH Princess Maha Chakri Sirindhorn proceeds to the Royal Dining Room and has a luncheon.			
12.30-12.50	HRH Princess Maha Chakri Sirindhorn rests in the Royal Waiting Room 2. HRH Princess Maha Chakri Sirindhorn signs the inauguration book.			
12.50-13.00	HRH Princess Maha Chakri Sirindhorn departs the waiting Room 2 to the photo studio on the 1 <sup>st</sup> floor for four photo sessions.			
13.00-14.00	HRH Princess Maha Chakri Sirindhorn proceeds to the poster exhibition hall on the 1 <sup>st</sup> floor of the science building to view poster presentations of 25 science projects of Thai and Japanese students.			
14.00-14.30	HRH Princess Maha Chakri Sirindhorn rests in the Royal Waiting Room 2.			
14.30	HRH Princess Maha Chakri Sirindhorn proceeds to the set point for departure. HRH Princess Maha Chakri Sirindhorn departs school.			
14.30-15.00	Group A poster presentation			
15.00-17.00	Poster presentation			
18.00-20.00	Dinner and welcome party with cultural shows			
Day 3: 12 June 2020				
07.00-08.00	Breakfast			
08.10-08.50	Plenary lecture by an outstanding Thai scientist			
09.00-12.00	Oral presentation	Comments and suggestions by mentors		
12.00-13.00	Lunch			

13.00-16.00	Oral Presentation	Comments and suggestions by mentors	
-------------	-------------------	-------------------------------------	--

Time	Activities			Venue
	Students	Teachers	Principals	
16.00-17.30	(Science Activity)	Teacher Show and Share	(Meeting of Principals )	
17.30-18.30	Dinner			
18.30-18.45	Briefing and preparation for the field trips and star exploration			
19.00-21.00	Star Exploration			
Day 4: 13 June 2020				
06.00-07.00	Breakfast			
07.00-13.00	Field trips			
13.00-14.30	Preparation for presentations after the field trips			
14.30-16.00	Field trip presentations			
18.00-20.00	Dinner Farewell party with Thai and Japanese cultural shows			
Day 5: 14 June 2020				
06.00-12.00	Breakfast Depature from Krabi International Airport or Trang Airport and Transit to Suvarnabhumi International Airport			Partner school's van

**Remarks 10.30-10.45 and 14.30-14.45**

**Snack break**

**12.00-13.00**

**Lunch**

**Updated on 11 October 2019**



### **Guidelines for Poster Presentations:**

- The poster display area is approximately 90 cm (W) x 140 cm (H). The recommended poster size is A0 (84 cm x 119 cm) or 16 A4 papers.
- The poster must be in portrait (not landscape) format.
- The poster must be in English.
- Arrangements of poster stands will follow the list of presenters in the final conference program. Poster numbers will be provided by the time of the [notification of acceptance](#).
- The poster should contain all standard parts for scientific presentations, i.e. title, abstract, author list, affiliations, introduction, methodology, results, discussion, conclusions, acknowledgements, contact information, and references.
- The poster must include the TJ logo on the top **left** when facing the poster. The logo can be downloaded from the [conference website](#).
- It is presenters' responsibility to print their posters beforehand.

### **Further Advice**

- The poster should primarily serve as a visual guide for your in-person presentation. It is not a full paper. Please restrict your texts to convey only essential information.
- Use large fonts for better visibility. The following font sizes will ensure the readability from 1.5 m away:
  - Title and Heading: 48 pts,
  - Subheading: 30 pts,
  - Text and Equations: 18 pts.
- The colors of the final posters are printer-dependent and are very likely to be different from what you see on your computer.
- Unlike the raster formats such as jpg, bmp, gif, tiff, or png, the vector graphic formats, such as ai, eps, ps, or pdf will not degrade in quality when printing in a large area. Highest possible resolutions for the raster images are highly recommended.

## **Travelling Plan**

### **Plan A**

Fly from Narita, Haneda, Kansai or other airport by Thai Airways or JAL or

ANA to Suvarnabhumi Airport and TRANSIT at Suvarnabhumi Airport to Krabi Airport by Thai Airways, Thai Smile Airways or Bangkok Airways and PCSHS partner school will pick up by van to PCSHS Trang. It's take around 1.30 hr.

### **Plan B**

Fly from Narita, Haneda, Kansai or other airport by Thai Airways or JAL or

ANA to Suvarnabhumi Airport and CHANGE AIRPORT by take free airport shuttle bus to Don Muang Airport at GATE 2 of Suvarnabhumi Airport, it's take around 1 hr. and fly from Don Muang Airport by Nok Air Airlines or Thai

Air Asia Airlines or Thai Lion Air Airlines to Trang Airport and PCSHS partner school will pick up by van to PCSHS Trang. It's take around 30 Minute.

### **Plan C**

Fly from Narita, Haneda, Kansai or other airport by Thai Lion Air or Thai

Air Asia or Scoot or Nok Scoot to Don Muang Airport and TRANSIT at Don Muang Airport by Nok Air Airlines or Thai Air Asia Airlines or Thai Lion Air Airlines to Trang Airport and PCSHS partner school will pick up by van to PCSHS Trang. It's take around 30 Minute.