



# 13<sup>th</sup> International Science Youth Forum *Digital* @ Singapore (ISYF*digital* 2021)

## 1. Objectives

ISYF*digital* 2021 will be conducted fully online. As in previous years, it is a rare and valuable platform for eminent scientists to interact and share ideas with young budding science and mathematics talents. The following are the key objectives for the 2021 online Forum:

- a. *Inspire Passion for Science Research amongst Youth.* ISYF aims to provide high-ability students with ample opportunities to share and discuss their interest in science and science research. They will be exposed to many fields of science which will broaden their outlook and understanding of the scientific world. Eminent scientists will inspire them through stories of their own life experiences and scientific discoveries. These interactions are helpful for the youths especially when they are considering pursuing science as a meaningful and fulfilling endeavour.
- b. *Establish Co-operation and Friendship amongst Young Science Talents.* Students will have many opportunities to interact in different cross-cultural groups and form strong bonds with each other throughout the Forum. Activities are designed to promote mutual cooperation, understanding and appreciation of each other's diverse culture yet sharing a common passion in science and research.

## 2. Selection Criteria for the Two Students

Given the intellectual rigour of the programme, where students will interact with scientists and share their own research experience (through the online research poster sharing), the Forum targets top Science students from schools all over the world. To ensure that delegates benefit fully from the experience, the **two** Science students representing your school should:

- a. Be between 16 and 17 years of age in 2021;
- b. Be within the top tier of their respective Science cohorts;
- c. Have substantial experience in science research or competitions;
- d. Possess good oral proficiency in English;
- e. Possess enthusiasm and strong interest in forging ties with fellow students from all over the world;
- f. (In 2021) Have access to stable internet connection and a working computer with webcam and microphone, for a full experience of the online conference.

## 3. Time Frame

- a. The event is scheduled to be held from **19 to 22 January 2021**.
- b. The programme will generally run from 8.30 am to 5.00 pm Singapore Time (GMT+8), with appropriate break times. More details will be provided at a later date.



#### 4. Cost

- a. Expenses related to the Forum will be borne by our sponsors. However, participants are expected to work out their own access to a suitable computer and stable internet connection.

#### 5. Programme Highlights for Students

##### *Pre-Event:*

- **Online Research Poster Sharing.** Every school is encouraged to submit one poster on a completed science research project, along with a brief pre-recorded video of the students' presentation of the posters. All posters and videos will be uploaded on our ISYF *digital* 2021 website ahead of the conference, for review by invited experts.

##### *During the Event:*

- **Keynote address by Nobel Laureate:** Students will have the opportunity to listen to and be inspired by a live keynote address by a Nobel Laureate, and interact in an online question and answer session.
- **Interaction with Eminent Scientists.** Students will participate in Meet-the-Scientist sessions and have opportunities to interact with eminent scientists online.
- **Research Poster Showcase and Research Sharing.** Students will be able to view the research done by their peers through the Online Research Poster Sharing portal, and selected submissions will have the opportunity to showcase their research to the rest of the participants.
- **Team Project Challenge.** Student participants will work in groups to solve a problem or create an online proto-type using their knowledge of mathematics and science and their hands-on skills. The projects may even be evaluated and further explored for their potential real-life use or application.
- **Social Programme.** Students will participate in ice-breaking and cultural sharing activities online.
- **Goodie Bags:** All participants will receive a Forum goodie bag which will be sent to their schools.

##### *Post-Event:*

- Students will share their learning and experiences with schoolmates upon their return.
- Students will be encouraged to maintain ties with other participants after the Forum.