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**Brian Marshal**  
Chairman of IOI

## Hello to all participants!

**It is for me an absolute pleasure to be hosting the 34th International Olympiad in Informatics (IOI 2022) in Indonesia for the first time.**

For the first time since Covid-19, IOI was held in a hybrid manner. This provided a new challenge for us as the host because it was like holding two simultaneous competitions, online and offline. The IOI 2022 scoring system uses a cloud system, so all participants need to be connected to the internet. So, the online participants will have the same experience as the on-site. I would also like to remind you, to follow the Covid-19 health protocols during your stay to avoid the disease from spreading further.

The city of Yogyakarta was chosen because it has easy access, the feel of a student city, and this city has a very rich culture. This is in accordance with IOI's values which is to establish networks, friendships, and cultural exchanges through competitions. We also invite all participants to enjoy the atmosphere of the city and experience the local attraction such as batik crafting, traditional dance and music, and other exciting

things the city has to offer.

The IOI 2022 host committee has also prepared excursions to visit local cultural hotspots such as the Indonesian Art Institute campus, and visit historical places such as Yogyakarta Palace, Ullen Sentalu Museum, Borobudur Temple, and Prambanan Temple. Hopefully, you will get the extraordinary experience in Indonesia to tell your loved ones back home.

As a former IOI participant, I believe IOI is a very great opportunity to inspire a lot of young students to learn and love informatics. The competition also serves as a platform to network, establish friendships and build mutual respect.●



## First Team Arrived: Ukraine

Bright clouds in the sky of Yogyakarta welcomed the first day of the 34th International Olympiad of informatics (IOI) event. The pandemic situation did not seem to dampen the enthusiasm of 269 participants from 70 teams when they landed at Yogyakarta International Airport, Kulon Progo, yesterday. Although exhausted from the flight, bright smiles still emanated from the young and intelligent students who come to compete to be the best in the world of informatics.

"(The trip was) a bit long," said participant from Iceland, Kirill Zolotuskiy (18). According to Kirill, the IOI event is not only about competition but there are other things that are no less important. "I think it's a good opportunity to meet new people and to learn new experiences and to see different cultures. It is my first time visiting Asia," said Kirill.

Optimism was also shown by Jona Bedoux from Team Netherlands. "Our team is fun, good, and will win," he said with a smile. Jona said he was looking forward to the excursion activity ahead.

The Ukrainian team was the first team to register on August 4. Their impression of Yogyakarta was very beautiful and pleasant. The spicy food, the friendliness of the local people, and the hot tropical weather were unforgettable experiences for them. "We've been walking around tasting Indonesian food. We love the fried rice, the wide variety of seafood, and foods that we can't even name. We were impressed when we visited the Indonesia Air Force Museum," explained Roman Yanushevakiy (17).

Meanwhile, according to Oleh Naver (17), the Ukrainian team has done its best in preparation for IOI. They have been preparing for two weeks. "We did joint training in Poland, we also participated in the Central European Informatics Olympiad. If we add the training that we do independently, our preparation is almost the whole year. Our difficulty is that we don't have special school subjects," Oleh explained. Ukrainian Team Leader, Anton Tsytko described their team members as being quite a strong team. "They have a strong desire to win. The only drawback is the unstable situation," said Anton.

At the airport, the IOI participants received traditional patterned shawls and were greeted with the Kulon Progo Angguk dance. The participants then headed to the Rich Yogyakarta hotel for registration and rapid antigen testing. IOI participants from various cultures and backgrounds are encouraged to adhere to the code of ethics, which promotes tolerance and respect for participants from other countries.■







# Photo Gallery

Welcome to the 34<sup>th</sup> IOI. Yogyakarta, Indonesia.





# Practice Session



The International Olympiad in Informatics (IOI) is the most prestigious computer science competition for secondary school and high school students around the world. After two years of being held online due to the Covid-19 pandemic, this year IOI will be the first competition to be held on a hybrid basis (online and offline).

On a separate occasion, Acting Head of the National Achievement Center (Puspresnas) of the Ministry of Education, Culture, Research, and Technology (Kemendikbudristek) Asep Sukmayadi revealed the importance of organizing IOI in creating young talents in the field of Technology, Information and Communication (ICT). "We want to create young leaders who become inspirations for their people so that these talents are not extinguished in the middle of the road. This competition is an encouragement and a field for self-actualization for them," said Asep, in Jakarta (7th August).

Entering the 2nd day (8/8) of IOI, all participants will meet for the first time in the practice session which starts from 14.00 – 16.00 Jakarta Time. Host Scientific Committee Chair of IOI, Jonathan Irvin Gunawan explained the importance of participating in practice sessions. "Practice session is an opportunity for participants to try the competition system used and report complaints (if any) to the committee," said Irvin.

Irvin added regarding the technical implementation of the practice session, namely that participants will use the competition system used and solve several test questions. "Their scores (the participants) in this session will not affect their results in the future," concluded Irvin.●



## Schedule Day 2

Monday, 8 August

06:00 – 09:00	Breakfast	@ Rich
09:00 – 10:00	Introduction Games	@ Rich
10:00 – 11:00	Lunch	@ Rich
11:00 – 12:00	Entering Contest Hall	@ Rich
12:00 – 13:00	Practice Session	@ Rich
13:00 – 14:00	Practice Session Discussion	@ Rich
14:00 – 15:00	Practice Session Discussion	@ Rich
17:00 – 18:00	Free Time	@ Rich
18:00 – 19:00	Dinner	@ Rich
19:00 – 20:00	Free Time	@ Rich

## IOI 2022 in Numbers

89

Number of delegations

495

Number of On-site Visitors (contestants, leaders, guests)

91

Number of teams

357

Number of contestantS

269

On-site

88

Online

## Drop by the cool events hosted by our amazing Sponsors below!

You don't just compete here in IOI 2022, you get to learn new things too!



**Huawei is proud to share their latest insights on the fast-changing technological trend** from their users and industry. In the 5G Era, cloud computing and AI accelerates digital transformation and bring benefit to society. They will also talk about the strong collaboration the industry needs for contributing next future innovations.

Bring your challenging questions for the Q&A session. we encourage your teammates and friends to sign up too.

**Date:** 11th August 15:00 - 16:00 WIB | **Location:** Meeting Room "Cendana 1", Rich Hotel



### Get ready for Jane Street's Estimathon on August 13th!

This is a mind bending mixture of math and trivia - and they are adding a computer science theme for this special edition. In teams, you'll attempt a number of Fermi problems ranging from totally trivial to positively Putnamesque.

Everything will be CS-themed so be prepared with the best set of confidence intervals!

Register for the event here and encourage your teammates and friends to sign up too. There will be prizes for the winning team!

**Date:** 13th August 10:00 - 11:00 WIB | **Location:** Game Room "Edelweiss", Rich Hotel



**Co-founder and Early Architect of Tezos Arthur Breitman** is hosting a lecture titled "When block-chains are lazy, explaining state channels" on 13th August. In addition to Arthur's sharing, you'll also get the chance to ask him your questions during the Q&A segment. It's serving up to be an insightful session, so bring your curious mind along and encourage your teammates to join.

**Date:** 13th August 11:00 - 12:00 WIB | **Location:** Meeting Room "Cendana 1", Rich Hotel

## Learn to Greet in Indonesian: A Guide

In Indonesia, some believe greeting can bring good luck. Try to greet in Indonesian with some words below!

### Halo! (/ha-lo/)

You can simply say 'Halo', means 'Hi' or 'Hello', to start a conversation casually.

### Selamat Pagi (/sě-la-mat/ /pa.gi/)

Means 'Good Morning', to greet someone around 6 am to 12 pm.

### Selamat Siang (/sě-la-mat/ /si.ang/)

This phrase is to greet someone in the afternoon or the time shows around 12 pm to 3 pm.

### Selamat Malam (/sě-la-mat/ /ma.lam/)

In Indonesia, the night starts around 6 pm to 12 am

### Terima Kasih (tě.ri.ma/ /ka.si/)

To show your gratitude or say 'thank you'.

## Did You Know: Yogyakarta is Known as Education City



**The Special Region of Yogyakarta** is one of the big cities that has many nicknames, such as Cultural City and Tourism City. However, in Indonesia, Yogyakarta is more familiar with Education City.

The nickname is given as Yogyakarta has many education symbols, physically and socially. We can find more than 60 universities only in Yogyakarta that attract students from all across Indonesia even abroad. In fact, the oldest university in Indonesia after that exist after independence day, The University of Gajah Mada, is located in this Education City. It makes Yogyakarta also full of education majors.●