

# 7. EUROPEAN PHYSICS OLYMPIAD LEIBNIZ NEWS

Leibniz University Hannover  
June 16 to 20, 2023

ISSUE 5

JUNE

20<sup>th</sup>

## The Closing Ceremony

Today brings EuPhO 2023 to an end. The Closing Ceremony was conducted at the Leibniz University in the morning. It started with a beautiful song sung by one of our very own volunteers. EuPhO President, Jaan Kalda explained the marking scheme of the experimental and theoretical problems.

The prize distribution started immediately after Professor Kalda's address. There were **24 Honourable Mentions, 45 Bronze Medals, 31 Silver Medals, and 18 Gold Medals**. Most students were very happy with their results. In fact, a few of them were quite overwhelmed when they received their prizes. The overall winner was

Vlad-Stefan Oros from Romania. Special prizes were also awarded to those students whose experimental or theory approach was appreciated by the academic committee. The Closing Ceremony was followed by lunch.

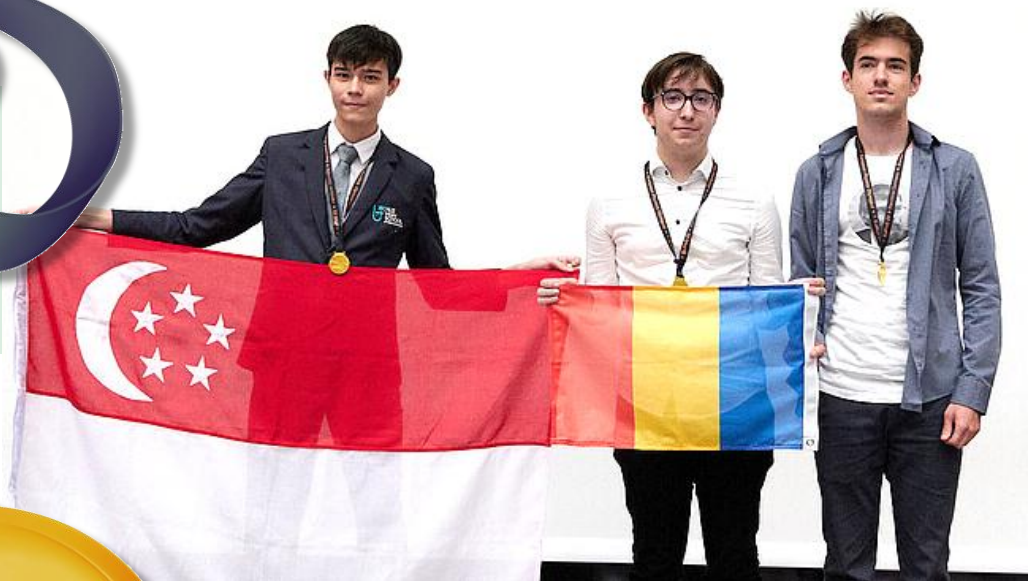
It was also a bittersweet experience as the ceremony ended. The delegations had to bid farewell to each other and many of them exchanges souvenirs and goodies, with a promise that they would meet again.

Congratulations to all the students for their wonderful performance! We wish them all the very best for IPhO 2023 in Tokyo, Japan.

*We also wish good luck to the next year's hosts, Georgia.*

"The important thing is not to stop questioning. Curiosity has its own reason for existence."

-Albert Einstein



Highest scoring students -

For experiment No. 1: Luc Mazereeuw (Singapore) [Left]

For experiment No. 2: Andrei-Darius Dragomir (Romania) [Center]

Overall best: Vlad-Stefan Oros (Romania) [Right]



## The Max Planck Society

The Max Planck Society is an independent non-government and non-profit association of German Research Institutes. It was initially founded in 1911 as the Kaiser Wilhelm Society for science but was re-named in 1948 as the Max Planck Society in honour of Max Planck, the theoretical physicist, who was its past president. Max Planck passed away in Gottingen in 1947.

The society is principally funded by the German Federal and State governments and also by the European Union. It also receives funding for third party projects from public and private bodies. In the year 2021, the Society was financed to approximately 1.97 billion euros. One of the larger donations to the Society was the castle or Schloss Ringberg near Kreuth in Bavaria. It was pledged by Luitpold Emanuel in Bayern, the Duke of Bavaria. It passed to the Society after the Duke died in 1973, and is now used for conferences.

Its highest-ranking decision-making body is the Senate. Its members come from major sectors of academic and public life. The Max Planck Society's Administrative Headquarters with the President's Office are located in Munich.

The Max Planck Institutes carry out fundamental research in the life sciences, natural sciences, and the social and human sciences. It is thus almost impossible to allocate an individual institute to one single research field: conversely, it can be the case that different Max Planck Institutes carry out research in the same subject. The Max Planck Society has a world-leading reputation as a science and technology research organization, with 38 Nobel Prizes awarded to their scientists, and is widely regarded as one of the foremost basic research organizations in the world. In 2020, the Nature Index placed the Max Planck Institutes third worldwide in terms of research published in *Nature* journals after the Chinese Academy of Sciences and Harvard University.

The Society has 85 institutes and research facilities as of January 1, 2023. Five institutes and one research facility are situated abroad. It employs a total staff of 23,950 as of 31 December 2021, comprising 20,898 contractually employed individuals, 519 scholarship holders as well as 2,533 guest scientists. Of the contractually employed individuals, 6,745 individuals were employed as Directors, Research Group Leaders or Scientific

Research Assistants, another 3,473 as doctoral candidates. Non-scientific activities include 8,625 persons in technology and administration. About 397 employees completed an apprenticeship on the reporting date; a further 1,500 persons were employed as student and scientific assistants.

As of December 31, 2021, the proportion of female employees was 44.7 percent. The proportion of women researchers was 18.4 percent at W3 level, 36.0 percent at W2 level and 32.8 percent at the level of scientists employed under the collective agreement for the public sector; in the non-scientific areas it was 54.9 percent. 31.5% of all of the employees were foreign nationals.

Among the scientists, the proportion of those from abroad was 54.9 percent. This high proportion can be attributed to the fact that the International Max Planck Research Schools particularly recruit international Ph.D. students and that a high number of visiting scientists come from abroad.



*The Max Planck Institute for Physics, Munich*



## EuPhO Moments



Team Singapore arrives at LUH



A Group of Markers



Team Macedonia arrives at LUH



Selfie time !!!



Team Bosnia and Herzegovina



Volunteers relax outside the moderation room



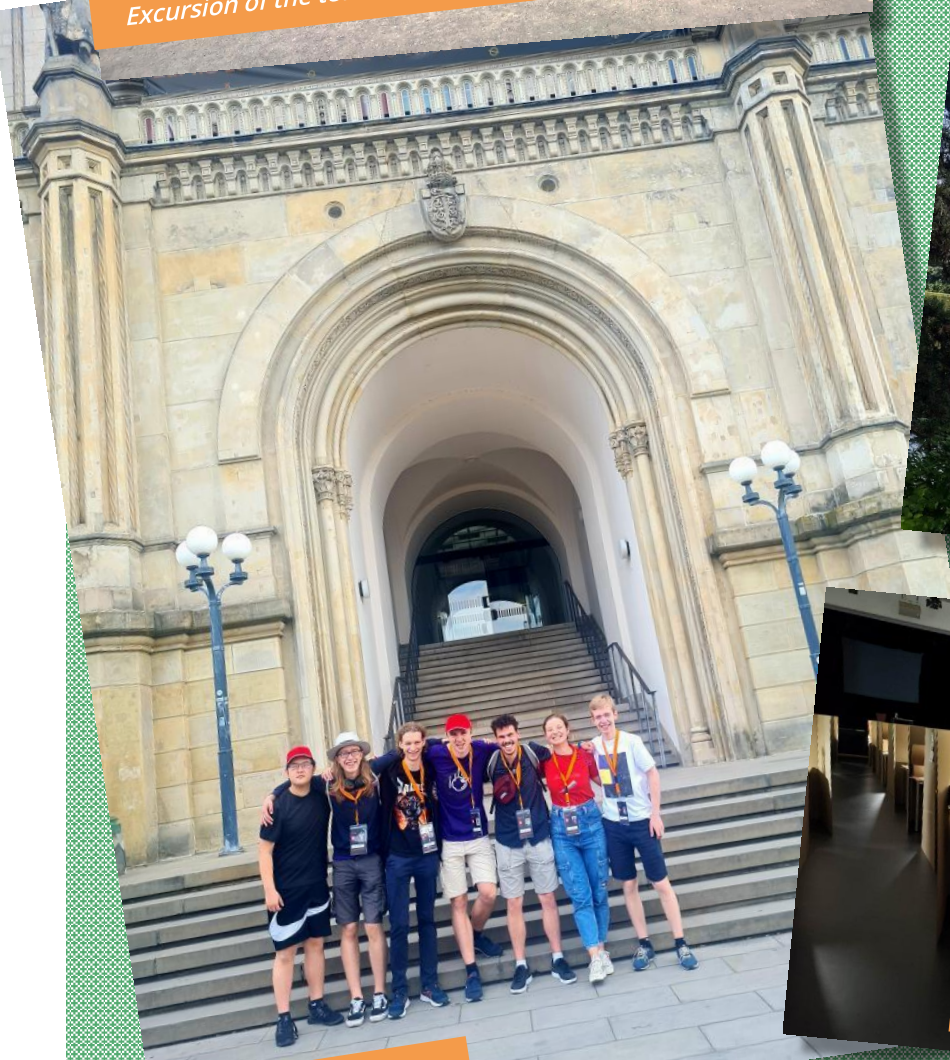
## EuPhO Moments



Excursion of the team leaders



Busy with the sun telescope



Team Switzerland



Hanover's beauty



Dedication and determination!



## EuPhO Moments



At the Maschsee



Teams waiting for their medals



Exploring Goslar



The leaders head to Goslar



Exploring Hanover's Old Town Area



## EuPhO Moments

Mornings in Hanover



One ton of iron ore



The Mines of Rammelsberg



The tour guide explains facts about Goslar

Coats of the miners



Entrance to the mines





## EuPhO Moments



Immersed in checking scores



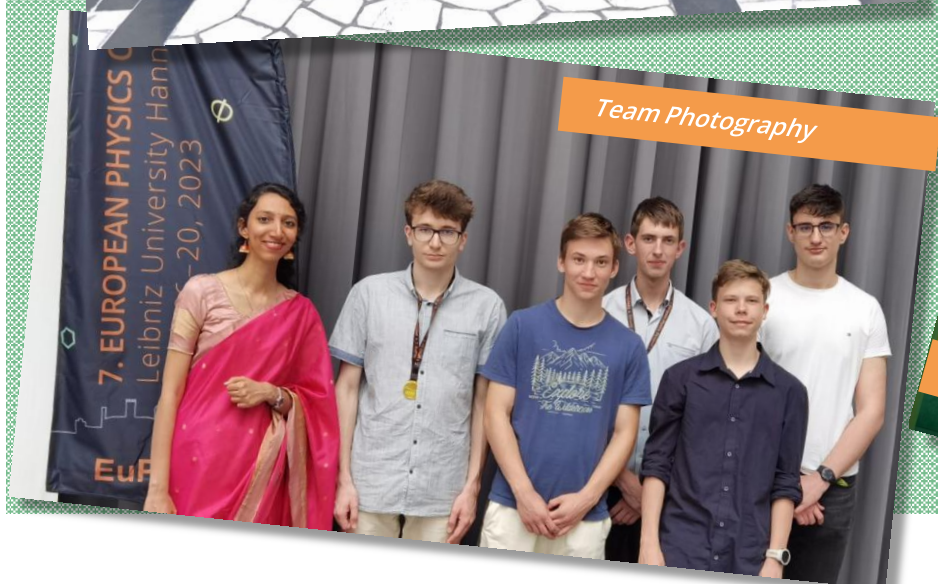
The main pillars of EuPhO 2023



People behind EuPhO 2023



Next year's hosts - Georgia



Team Photography



The wins of team Brazil



## Meet the Newsletter Team

### Words from the Editor-in-Chief



Asira Lele, Editor-in-Chief

For the past few days, you have been reading the newsletter of EuPhO 2023, 'Leibniz News'. We hope that you enjoyed reading the tales of this Olympiad in the quaint city of Hanover. Now, who are the people behind this newsletter?

Asira Lele, the Editor-in-Chief has a few words to say, "I would like to thank all the people who came together to make this Olympiad happen. These are people not only from Hanover, but also from different parts of the world, working in different timezones. My first thanks goes to Dr. Stefan Petersen and Dr. Gunnar Friege for their tireless efforts for this Olympiad. This newsletter team has been amazing. I appreciate Karin Vierk for creating the template of this newsletter. A huge thanks goes to Jui Atre for patiently doing the typesetting and alignment of the newsletter's content. A token of gratitude to Sonja Smalian for her wonderful articles about physics events happening in and around Leibniz University. And finally, a huge round of applause must also go to Akshay Kulkarni for designing the website of EuPhO 2023. *Thank you everyone, for making 'Leibniz News' a success!*"

#### **Karin Vierk**

Works in the Central Services at Leibniz University and does the work of printing and producing media design. Involved in creation of scientific drawings and illustrations.



#### **Sonja Smalian**

Science Communication Officer at PhoenixD: Photonics, Optics, and Engineering - Innovation Across Disciplines



#### **Jui Atre- Kurlekar**

Architect and Freelance Graphic Designer from India. A pencil portrait artist and also likes to read about Physics.

*"I would like to thank Asira Lele for involving me in creating this newsletter. It was really enjoyable and I am inspired by all the brilliant minds that conducted and participated in EuPho 2023."*



#### **Akshay Kulkarni**

Works as a software developer

*"It's been a pleasure and an honour working for the EuPhO. It's amazing to see so many physicists working together to test such a wide range of problems. I'm really glad that I could use my software skillsets to facilitate this Olympiad!"*



#### EDITOR-IN-CHIEF

ASIRA LELE

#### WRITERS TODAY

ASIRA LELE  
SONJA SMALIAN

#### LAYOUT

JUI ATRE

#### DESIGN CONCEPT

KARIN VIERK

#### WEBSITE DEVELOPER

AKSHAY KULKARNI