



International Young Physicists' Tournament

IYPT



We, the organization stated below, hereby file an

Application for Recognition as an IYPT Member Organization (IMO)

in accordance with Article 7, Section 1 of the Statutes of the IYPT.

Name of Organization:	ELTE University, Department of Materials Physics, Budapest, Hungary
Legal Type of Organization: (e.g. school, university, association (NGO), ...)	University
Registration details: (if applicable)	
Full Address: (including country)	Eötvös Loránd Tudományegyetem, Anyagfizikai Tanszék 1117 Budapest, Pázmány Péter sétány 1/a. Hungary
Email Address:	email.hypt@gmail.com , iypt@caesar.elte.hu
Website: (if applicable)	hypt.elte.hu

To comply with the regulation that applications for IMO status can only be made by someone who has participated in of the 5 most recent the IYPTs (either as an observer, team or guest team member, team leader, or juror). This person commits to act as a team leader of the team participating at IYPT on behalf of this IMO. This person can be changed by the IMO at any time to another person fulfilling the qualification criteria.

Name:	Péter Jenei
Email Address:	jenei@metal.elte.hu
Last participated IYPT in year:	2022
Last participated IYPT as: (observer, team member, team leader, or juror)	Team leader juror

We declare that we will respect and comply with the Statutes and the Regulations of IYPT. In particular, we agree to implement an IYPT qualification procedure, which shall be open to all students/teams from the country we represent. This qualification procedure shall be organized as a non-profit event. We annex a brief description of the selection procedure performed in our country.

In case our application is accepted, we nominate the following person to represent us in the International Organizing Committee (IOC), until further notice. Changes in our IOC representative will be announced (in due time) to the President of IYPT in writing.

Name:	Mihály Hömöstrei
Email Address:	hmisko83@hotmail.com, iypt@caesar.elte.hu

We give explicit consent to publish the contact details of our organization and our designated IOC representative on the IYPT website.

Date and Place: ...14.07.2022. Budapest.....

Name and Position (e.g. President, Secretary General, ...) of the person authorized to sign this application on behalf of the organization:

.....Prof. Dr. Jenő Gubicza...Position: Head of the Department of Materials Physics, ELTE.....

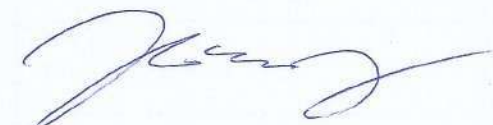
Signature of authorized person on behalf of organization:


Eötvös Loránd Tudományegyetem
Fizikai Intézet
Anyagfizikai Tanszék
Levél cím: H-1518 Budapest, Pf. 32.
1117 Budapest, VI. Rákóczi Péter sétány 1/A

Signature of person who participated IYPT before and will act as the team leader:



Signature of designated IOC representative:



Annex: Brief description of the selection procedure

Regulations of Hungarian contest (Hungarian Young Physicists' Tournament) and selection process for the IYPT:

Name of Organisation: ELTE University, Department of Material Physics, Institute of Physics

Full address: Eötvös Loránd Tudományegyetem, Anyagfizikai Tanszék, 1117 Budapest, Pázmány Péter sétány 1./A, Hungary

Email address: email.hypt@gmail.com

Website: hypt.elte.hu

Basic idea of HYPT:

The Hungarian Young Physicists' Tournament (HYPT) is an open and countrywide announced physics contest for high school student in Hungary. The problems of the HYPT are the problems of the coming IYPT.

Members of the Hungarian organizing committee:

- Dr. Péter Jenei ph.D., assistant professor of Department of Material Physics of ELTE University
- Dr. Péter Dusán Ispanovity ph.D., assistant professor of Department of Material Physics of ELTE University
- Mihály Hömöstrei, physics teacher German Minority High School and Department of Material Physics of ELTE University, Budapest, IOC member
- Prof. Dr. István Groma ph.D., head of Department of Material Physics, director of the Institute of Physics of ELTE University

The Selection Process:

The invitation to HYPT is published in the Mathematical and Physical Journal for Secondary School (www.komal.hu) in September or October. This advertisement is easily reachable for every high school student and teacher. Every important information and contacts are available on the website: hypt.elte.hu. The organizing committee sends invitation letters and posters directly to the 50 best high schools. Students can get further invitations on the public science series "From the atoms to the stars" organized by the ELTE university. The pre-registration deadline is at the end of October.

Three Rounds of selecting the members for the Hungarian IYPT Team:

1st Round: participants investigate one of the actual IYPT problems and they write and send a max. 10 pages long disquisition of their own researches. The best 15 works are getting selected by the Hungarian organizing committee for the 2nd round. Deadline of the 1st round is middle of November.

2nd Round: The selected best 15 students present their researches of the selected problem. At least 5 professors of the ELTE University give the jury of the competition. The students have to opposite a presentation from one of the earlier IYPT problems (at least for 4 years). Their questions and observations are getting collected in an earlier published opposition form. According to the grading of the jury and the results of the opposition the 8 best students are getting selected to work in the Hungarian IYPT Team. Date of the 2nd round: middle of December.

3rd Round: After the 2nd round the selected 8 students are working in randomly selected pairs. The students are developing their problems and presenting eachother's problem in the 3rd round. The best 5 students are getting selected for the IYPT by the Hungarian organizing committee. Date of the 3rd round: end of March.

The 1st Round of HYPT (till the end of November):

The participants write their essay about their chosen problem in max. 10 pages. A template for the essays is available on the official HYPT website. The essays are getting valued due to a common aspects by the HYPT organizing committee:

- I) Understanding the phenomenon itself: max. 2 Points.
- II) Theoretical background: max. 5 Points.
- III) Experimental quality: max 5 Points.
- IV) Scientific approach and novelty: max. 3 Points.

The 2nd Round of the HYPT (till the end of December):

a) The presentation (report):

- I) The order of the presentation is random generated by the organizing committee.
- II) The language of the presentation is English.
- III) The presentations are 10 minutes long.
- IV) After the presentations the jury may ask in Hungarian in 8 minutes.

b) The grading process

1. The performance of the participants' is getting graded by the following aspects:

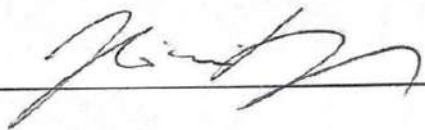
- I) Physical content of the presentation: max. 6 Points.
- II) Language skills of the: max.5 Points.

III) Quality of the presentation: max. 4 Points.

2. The average of the grades defines the points of the jury.
3. The grades of each juror are going to be published at the end of the competition.

The 3rd Round of HYPT (end of March):

The 8 members of the preparation team are getting divided in 4 pairs working together on each others problem. The students present their studies to the HYPT organizing committee which chooses the 5 member of the Hungarian Team for the actual IYPT.



Mihály Hömöstrej

IOC Member of Hungary