



International Organizing Committee
Young Physicists' Tournament



Annual IOC meeting, Ayutthaya, Thailand

Minutes

July 4th – July 5th 2015

The minutes of the IOC meeting are prepared by the Secretary General. Martin Plesch is therefore the author of 1-3 and Timotheus Hell the author of 4-16.

1. Opening and control of presence

Representatives of the following countries are present:

Australia, Austria, Belarus, Brazil, Bulgaria, Czech Republic, Hungary, Germany, China, Iran, Korea, Macao, New Zealand, Nigeria, Poland, Romania, Russia, Singapore, Slovakia, Sweden, Switzerland, Chinese Taipei, Thailand, Ukraine, United Kingdom, USA

2. Approval of the agenda

As Alan Allinson (AA) has stepped down from the position of President, the meeting is opened by Martin Plesch (MP). He suggests declaring AA the *Honorary President of IYPT*, this is agreed by all countries present with one abstention.

MP asks AA to chair the meeting, AA agrees.

Delegates of the recognized countries temporarily grant to the delegates from other participating countries the voting rights for this meeting. All in favour, with one abstention.

3. Elections of the President of IYPT (and possible vacated position(s)) (60 minutes)

a. Presentation of candidates

b. Election ruled by the Election committee

Report of the election committee is attached.

MP is elected President of IYPT.

Timotheus Hell (TH) is elected Secretary General of IYPT.

4. IYPT 2016 – presentation by the head of LOC Russia

Vladimir Kruzhaev presents up to date information, the slides are attached.

Questions:

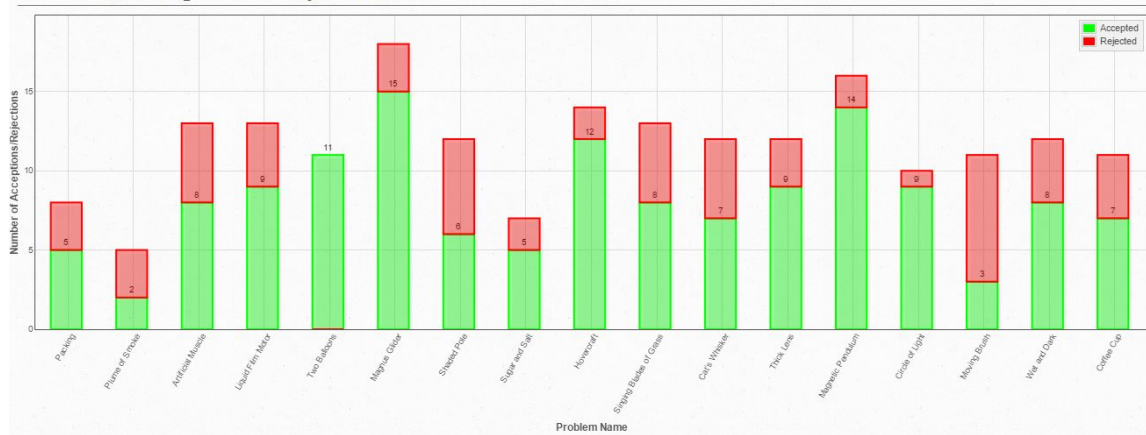
Weather? Good. 20-30 °C.

Date? June 27th to July 6th

5. Presentation of the suggested problems by the Committee for problems selection (30 minutes)

The number of challenges and rejections per problem at IYPT 2015 is discussed. It again shows that the selection process works well, i.e. most problems were both challenged and presented several times. There was only one problem with only few challenges (2. Plume of Smoke).

IYPT2015: Accepted and Rejected Problems



Ilya Martchenko (IM) goes on describing the process: The problem submission is open to anybody. It is a very open and inclusive process. By Feb. 28th 145 proposals for next year were collected. As always the call for problems (<http://iypt.org/Problems>) remains open, all further problems will go to the pool for the following year.

The suggestions were screened for obvious issues such as repeated problems or dangerous suggestions. Some problems included speculation (e.g. on the topic of cold fusion) and were therefore removed. A problem on 'wobbling' coins is suggested very often, almost every year, but it has been an IYPT problem already.

The report by the committee was distributed to the IOC already and is presented again. The set to be voted on includes some problems that were suggested by several authors. All authors will receive credit, as always. One problem was submitted by 7 different authors. The report includes 79 problems. We still encourage every IOC member to make sure that their country submits at least 3 problems. There is now a tick box for indicating that a submission is to be counted for a certain IMO.

The system is a 'limesurvey' installation now running on the new IYPT server at <http://problems.iypt.org/>.

The suggested set of problems is distributed, substitutes exist. The problems are in random order.

AA suggests going through the problems.

The set follows the usual principles with an 'Invent yourself' problem as the first entry and a problem that requires some more imagination as problem 17.

IM goes on to give some background on each of the problems.

End of day 1: 7:10 pm.

6. IYPT 2017 – presentation by the head of LOC Singapore

Day 2, 8:40am: All present (Nigeria, Romania present as of 8:50).

Yeo Ye presents up to date information, including a detailed schedule. The presentation is attached. The date is already fixed: July 5th - 14th 2017.

6 people will share a common area, with separate rooms (for students and team leaders), right next to the fight rooms. Independent jurors and team leaders that want to have more privacy will be hosted in a hotel close to the venue. There are 9 fight rooms available, if there are >29 teams, additional rooms in a nearby building will be used.

There are still some negotiations concerning the budget, the outcome will determine the final excursion.

Questions:

Is there an alternative for those who do not like the 3-5h walk? Yes, e.g. shopping.
Temperatures and humidity? Like in Thailand and Chinese Taipei, with a little less humidity.
Many independent jurors work with the teams. Is it possible to go back to the hotel after midnight? Yes, as it is within walking distance and it's not as hot at that time of the day.
Could the rooms be used for 2 persons? No, they are small. Male and female students could share the common area, but not the same room. There are also individual rooms with no common area available.

Comments:

Having the last excursion after the closing ceremony might cause problems for some teams. The tournament should not be closed before the last excursion, so that it is clear that it is a part of the tournament.

7. IYPT 2018, 2019 – presentation of host candidate(s), if any (15 minutes)

China is planning to host the IYPT in 2018 in a high school in Peking (top high school in China, international school). Discussions are ongoing.

Motion: The IOC recognizes the intent of China to host IYPT 2018 and encourages China to submit a detailed bid.

For: 26 / Against: 0 / Abstain: 0

There are no bids for 2019. Everyone is urged to bid.

8. IYPT 2020 – presentation of host candidate Romania

MP was invited to Timișoara, Romania and had discussions with the dean of the faculty of physics and the vice-rector of the university. A video showing pictures of the venues and from the trip is shown to IOC. Kathryn Zealand (KZ) proposes that the video is shown during the opening ceremony.

Both the dean and the vice-rector are fully supporting the bid and are committed to training enough local jurors. The fight rooms are OK for an IYPT competition.

Questions:

Is the university fixed? No, there are 15 universities. The students double the population of the city. 9 of the universities have signed to join in hosting the IYPT in 2020. This includes the largest university that will be the main host, the other universities will help if more resources are needed - e.g. accommodation, food, transport. The core organizer is the IMO of IYPT Romania.

Connection? There is an international airport in Timișoara, it is well connected, with Lufthansa as the main operator.

Motion: The IOC recognizes the indent of Romania to host IYPT 2020 and encourages Romania to submit a detailed bid.

For: 26 / Against: 0 / Abstain: 0

9. Report from the EC meeting, Thailand 2014

MP reports from the last EC meeting. Most of the discussion was related to IYPT 2015. Originally accommodation was planned to be split, but EC asked for all to be accommodated in the same hotel. A contract was signed with the LOC.

There will be a list of tasks (todos) that is kept up to date for the EC, creating the list is still a todo.

The budgets for the current and next year were discussed, fundraising efforts were not successful.

Problem submissions by country should be made public to encourage more submissions.

Feedback on jurors was discussed and implemented for IYPT 2015.

The committees were discussed:

- The disciplinary committee is in preparation, current members are AA, Ivan Antsipau and Kent Hogan. At this IYPT there were only minor issues that could be solved by talking to the people involved.
- The jury committee now has rules of procedure including the qualification criteria and at what point in time they have to be fulfilled. The document will be put on the website. Team captains were invited to the jury meeting, which got very good feedback.

Motion: Accept the report.

For: 26 / Against: 0 / Abstain: 0

10. Report on the Currie system

In the last IOC meeting several features were discussed:

- Handling of jurors, especially independent jurors, will be adapted.
- A person will only be accepted to be selected as a juror if a CV is uploaded.
- It shall be clear on the webpage, what is the maximal size for an uploaded photograph.
- Deadlines for different participation data will be separated so that the travel plans can be added later on.

By now all features but the last one are implemented, however the new jury process was only added after the deadline for IYPT 2015. The new process for independent jurors is explained by TH (slides are attached).

Some requests to the users:

- Please re-use accounts and don't create a new one for each IYPT. If you forget the password, you can easily reset it. There is a link for that on the main page.
- You can change all data including your email address, so there is really no need for new accounts.
- Please do not add placeholder names.
- Please respect the deadlines.

Questions and comments or feature requests:

Deadlines are crucial for the LOC. It is even more important if visa-applications are involved, which will be the case for most European teams going to Russia next year.

Members kept 'pending' and emails did not arrive, what can we do about that? Should be fixed by now, as mail is now handled by google (gmail, we are now recognized as a non-profit to google, and it has become one of the biggest sponsors to the IYPT). Also it is not necessary to receive emails in order to accept being added to a group, just login and click. The only time it is required to get an email is when registering an account and verifying the email address.

Can we correlate the deadline with the Olympiad? No, as there are different dates.

Requests for new features are always welcome. Depending on how much work is involved only some of them will be implemented for next year.

- Feature request: Automatically send out reminders to the group manager before the deadline that also include what information is still missing.
- Feature request: Exclude some members from the 'set data for all' option.
- Feature request: Have a drop-down with data entered before to be selected again.
- Feature request: Send a confirmation to applicants for independent juror once they are verified.
- Open request from last year: Different deadlines for different data.

Motion: Accept the report.

For: 26 / Against: 0 / Abstain: 0

11. *Information about the IYPT magazine*

Yung-Yuan Hsu gives a report on the IYPT magazine, the slides are attached. There will be an application to get a DOI number for the magazine now that there are 3 issues.

12. *Applications for IMO status*

There is a short report on each of the applying IMOs including the rules for selecting a team and a description of the organization. All new IMOs are accepted with 26 votes in favour, and no votes against or abstentions. The new IMOs are: Chinese Taipei, Romania, Ukraine, Singapore and Macao.

13. *Report of the treasurer*

The report presented by IM is not attached because it contains personal information. It was sent to the IOC members.

a. *Financial year 2013/2014, endorsement of auditors*

Both auditors endorse the report.

Motion: approve the budget for 2013/2014

For: 25 / Against: 0 / Abstain: 0 (IOC member from Romania is missing.)

b. *Budget 2014/2015, approval*

There are now more savings than the IYPT has had in any past year and another surplus is expected for this year.

There will be more spending on IT, as before most of the services were run on a privately owned virtual server. This server was not able to handle the load during an IYPT and also ran out of space needed for the archive. The IYPT now runs on a dedicated server hosted reliably by a well-known German provider. This server was selected after carefully considering many different options.

Questions to IM:

What is the financial year? Nov. 1st to Oct. 31st

Why are we building up more reserves than before? We are very conservative in spending. Some projects are still open and therefore no money was spent.

We have to have some contingency funds. With the funds we have now, we slowly reach the point where we could fund a tournament if there is no host.

Is the money invested in any way? No, the money is on the bank account.

Motion: approve the budget for 2015/2016

For: 26 / Against: 0 / Abstain: 0

MP asks to present a motion for the principals of creation the budget before the report on the budget 2015/2016. After some discussion AA suggests to first present the budget and then discuss any motions and amendments.

c. *Budget 2015/2016, amendments, approval*

Discussions on the budget are ongoing since November last year. IM suggests increasing the central part that goes directly to the IYPT. This was discussed with the LOC of IYPT 2016 and is agreed with by the LOC. IM has drafted a budget based on this agreement.

A new part of the budget is proposed to be spent on someone to assist with administrative tasks.

MP and IM discuss what the priorities should be. MP also points out that the proposal for the budget should be sent to the IOC much earlier.

MP shows a proposal for how to structure future budgets, the text is attached.

AA suggests that neither the proposed budget nor the proposal for general rules on the budget is ready to be voted on. All IOC members are requested to send their suggestions on which (new) chapters should be in the budget.

Important questions are:

- Should there be support for highly qualified independent jurors to come to IYPTs?
- Should there be support for teams?
- Should there be money for the committees?

KZ: Please put together a budget and send it to the IOC with request for comments.

AA: It's also about the structure, so it's about all future budgets.

AA: A firm proposal is to be created by IM and MP. But there has to be an endorsement now that allows them some flexibility based on the input from

IOC. There will be a working budget that is decided on by the EC during their meeting.

Motion: A proposal for a budget and for how to come to future budgets is sent to IOC, suggestions are taken into consideration, with a deadline of September 15th 2015.

For: 25 / Against: 0 / Abstain: 1

14. Approval of the set of problems

As the IOC is not in favour of accepting the set as is (only 1 vote in favour), there is a discussion on each of the problems. Because there is at least one voting per problem and time is very limited, AA chooses not to count all votes whenever there was a clear majority, therefore no votes against or abstentions are listed. There was a total of 25 IOC members present.

The problems in their final and agreed upon phrasing are released on the website of IYPT: <http://iypt.org/images/e/ef/problems2016.pdf>

All problems from the proposed set were chosen, some with modifications.

Problems 1 - 17 received the following votes in favour (for their final wording):

21, 19, 21, 25, 14+, 20, 16+, 20+, 20+, 21, 20+, 19, 17, 19, 18, 20+, 20+.

15. Suggested motions

d. Changing the order of problem selection for the final

It was never intended to give the choice of the problem not to the leading team, but the way we implemented the change of order of presentation this is the case now. The motion is to change this back to the way it was intended.

Motion: The priority of selecting problems for the Final is determined by the SP (in case of equality by FW).

For: 23 / Against: 0 / Abstain: 1 (Romania and Korea are not present)

e. Setting a strict deadline for selecting problems for round 5 and the final

Motion: For the last selective fight, a team has to select its problems and submit this selection before it leaves the competition room after the previous PF.

For the last selective fight and the final, if the team does not select the problem according to the regulations, the problem will be selected randomly according to the regulations.

For: 23 / Against: 0 / Abstain: 1 (Romania and Korea are not present)

16. Various issues

No various issues are discussed. AA closes the IOC meeting at 3 pm.



International Young Physicists' Tournament



Election Committee Report

1. Introduction

In his letter sent to the IOC members on 13 May 2015, IYPT President Alan Allinson declared that he would stand down from his position at the conclusion of the International Young Physicists' Tournament 2015 in Nakhon Ratchasima, Thailand. As a consequence the election of a new IYPT President and possible other elections had to be added to the agenda (point 3) of the IOC meeting taking place in Ayutthaya from 4 till 6 July 2015.

2. Election Committee

The Secretary General mandated EC member Samuel Byland to form an election committee in order to organise the election. Kwon Myeung Hoi and Kim Freimann agreed to join Samuel Byland in the election committee.

The election committee decided on the procedure for the nominations (see below). It also set the rules for the elections. A candidate would be declared elected if he received a majority of the valid votes (i.e. votes with a name of one of the nominated candidates). In case of no majority in the first round, the candidate with the lowest number of votes would be dropped from the list of candidates for the next round until a majority would be reached.

3. Call for candidates

IOC members were invited (by email and via the notice board) on 28 June to nominate candidates for the position of the IYPT President by 1 July 2015.

By the end of the deadline four nominations were received: John Balcombe (JB, United Kingdom), Ilya Martchenko (IM, Russia), Martin Plesch (MP, Slovakia), Qian Sun (QS, China)

Since three of the candidates would have had a position in the EC irrespectively of the outcome of their election, IOC members were invited on 1 July to nominate candidates for the possible vacant positions (Secretary General, Treasurer, elected EC member) in the EC by 4 July.

4. Scrutineers

At the IOC meeting on 4 July Kim Freimann and Kwon Myeung Hoi were unanimously appointed as scrutineers by the IOC members.

5. Presentation of candidates for IYPT President

The candidates for IYPT President presented themselves and their vision for the IYPT. IOC members were given the opportunity to ask questions to the candidates.

6. Election of IYPT President (results)

Total number of voting IOC members: 26

round 1: JB 7, IM 5, MP 11, QS 3

round 2: JB 10, IM 4, MP 12

round 3 JB 12, MP 14

Martin Plesch elected as IYPT President for the remainder of the current term (i.e. until 31 October 2016)

7. Nominations for Secretary General

By the end of the deadline two nominations for the Secretary General had been received:

Timotheus Hell (TH, Austria), Andrei Klishin (AK, IOC for USA)

Since several IOC members raised their concerns that the rules for nominations of vacant positions in the EC were not clear enough, the possibility to nominate additional candidates for the vacant position of Secretary General was put to a vote and accepted by a clear majority. John Balcombe (JB, United Kingdom) was nominated as an additional candidate.

8. Presentation of candidates for Secretary General

The candidates for Secretary General presented themselves and their interpretation of the role of Secretary General. IOC members were given the opportunity to ask questions to the candidates.

9. Election of Secretary General (results)

Total number of voting IOC members: 26

round 1: JB 10, TH 12, AK 4

round 2: JB 11, TH 15

Timotheus Hell elected as Secretary General for the remainder of the current term (i.e. until 31 October 2018)

10. Concluding remarks

The election committee suggests to the EC to provide general rules of procedure for future elections. In particular it should be clear how to deal with a situation where an election for a position leads to a new vacant position. It should also be clearly defined what should happen in the case of a tie.

We would like to thank Alan Allinson for his outstanding work as IYPT President and for the role he had in making the tournament what it is today. We are positive that Martin Plesch and Timotheus Hell will continue the IYPT's journey in a similar vein. We wish all the best to the three of them in their respective new roles.

Aarau (Switzerland), 17 July 2015

For the election committee: Samuel Byland



Ekaterinburg

Ural Federal University

IYPT - 2016

V.Kruzhaev,
vice rector for research
Ural Federal University
04.07.2015

LOCATION. INTERNATIONAL ACTIVITIES

- Ekaterinburg is situated in the central part of the Eurasian continent, on the geographical border of Europe and Asia.
- Ekaterinburg is one of the largest and most dynamic Russian cities.
- Every year, more than 300 conferences and congresses and more than 200 exhibition events are being held in Ekaterinburg. Among them, the following are of the greatest importance:
 - ❖ the BRICS group (Brazil, Russia, India, China, South Africa) and Shanghai Cooperation Organization (SCO) summit, 2009
 - ❖ Russian – German summit with the participation of the heads of the two states, 2003 and 2010
 - ❖ INNOPROM, an international fair of industry and innovations (organized each year since 2010)

HISTORY

The history of the **Ural University** started in 1920.

Later, it was divided into several separate institutions including

Ural State University (USU) and
Ural State Technical University (USTU-UPI)

In 2011, both institutions were merged once again, becoming **Ural Federal University (UrFU)**

UrFU bears the name of Boris Yeltsin
the first President of Russia
being the University's graduate of 1955

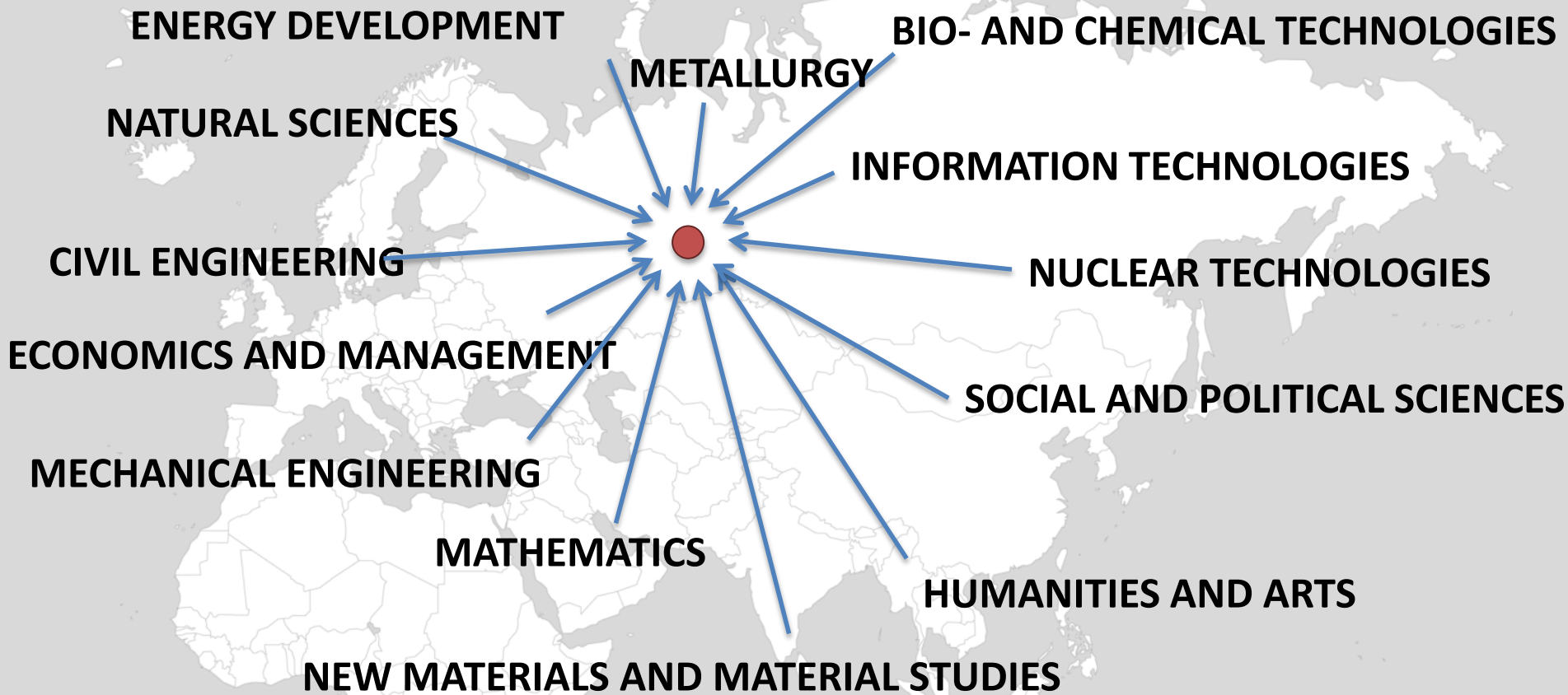


FACTS AND FIGURES

- UrFU is recognized as one of the leading Russian Federal Universities (among 10 Federal Universities)
- 95-year history, more than 300 000 graduates
- UrFU consists of 18 Institutes
- UrFU takes the 4th place among Russian universities on the number of articles indicated in WoS and Scopus
- UrFU has the secondary school in its structure – UrFU Lyceum (800 students) which occupies the 8th place in the ranking of Russian schools
- According to Scopus indicators, UrFU is among world leaders in 35 research competencies, mainly in mathematics, physics and chemistry
- About 2600 faculties
- More than 40 000 students, including 25 000 full-time students
- 1200 students from abroad (about 60 countries)
- About 800 PhD students

FACTS AND FIGURES

- **URFU takes part in two federal programs:**
 - ❖ **5 – year program of development of Federal Universities (2010 – 2019, 9 Federal Universities), 25 mln Euro per year till 2014**
 - ❖ **The Program of Enhancement of Competitiveness of Russian Universities (2013 – 2020, 14 Universities), 12 mln Euro per year**



Ural Federal University

WORLD-CLASS RESEARCH
IN THE VERY HEART OF RUSSIA

4 Priority Areas for Global Initiatives



Ekaterinburg



1. Information Technologies and Human Being in the Information Society
2. Power Engineering, Resource Saving, and Environmental Management
3. Flexible Technologies and New Materials
4. Living Systems and Health



**The integration of Ural Federal University
and Ural Branch of RAS
is a driver for development for scientific projects**

Laboratories headed by the leading international researchers established in 2013-2014



Professor Jean Jouzel , Nobel prize co-winner, France

Climate and environmental physics laboratory



Professor Marie-Pierre Rey, Sorbonne, France

Laboratory for Studying Primary Sources in History



Professor A. Kholkin, University Aveiro, Portugal

NANOFER - Laboratory of nano-sized ferroelectric materials



Professor Lars Hultman, Linköping University, Sweden, CEO of The Swedish Foundation for Strategic Research

Laboratory of non-conventional low-size materials



Professor Bernard Raveau, University of Caen, Caen, France

Laboratory "Chemical design of advanced multifunctional oxide materials"



Professor Manuel Bazquez Villalabeitia, Institute of Material Studies of the Spanish National Research Council, Spain

Laboratory of magnetic sensors



Professor Gunnar Thorvaldsen, University of Tromsø, Norway

Norwegian Historical Population Register Project



Professor Sergey Shabala, University of Tasmania, Australia

MIFE-laboratory for membrane transport and stress biology studies



Professor Alexander Kinev, CEO of the independent research corporation Creative Scientist Inc. (USA)

Laboratory of molecular mechanisms and morphogenesis ecology

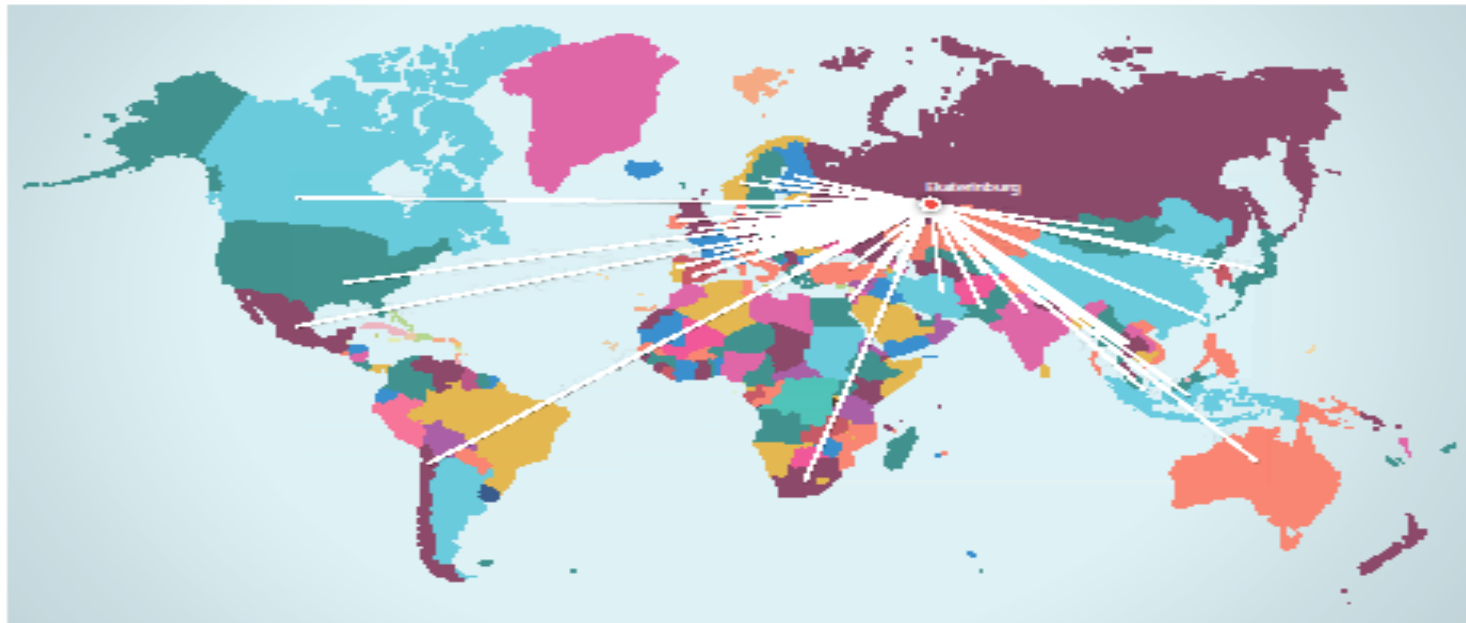


Professor Martin Van Gelderen, University of Göttingen University, Göttingen, Germany

Laboratory "Comparative Research of Tolerance and Recognition"

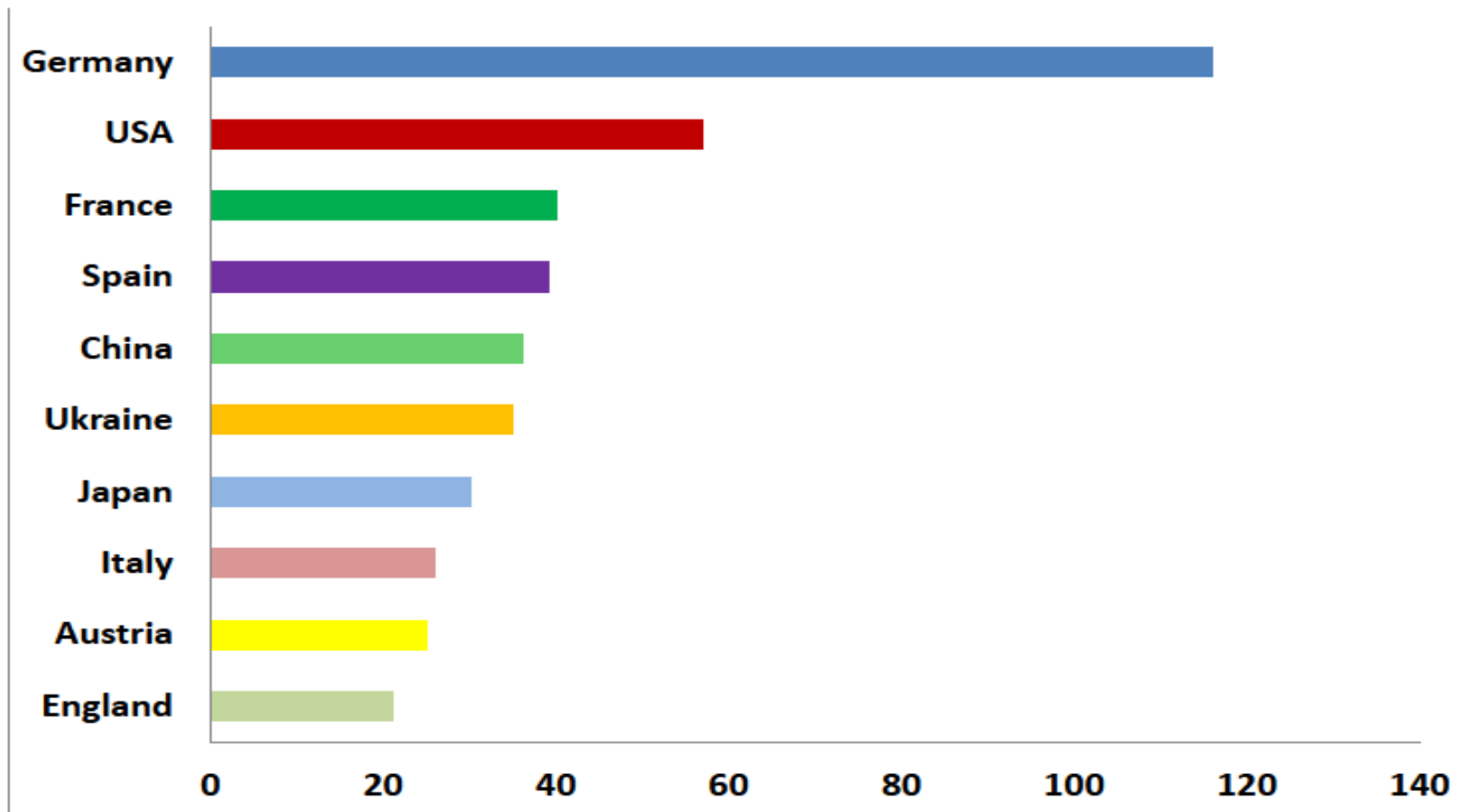
Scientific international collaborations

INTERNATIONAL COLLABORATION MAP



- | | | | | |
|--------------------------------|--------------------|----------------|-----------------------|---------------------|
| 1. Armenia | 12. Czech Republic | 24. Ireland | 36. Mongolia | 48. Spain |
| 2. Australia | 13. Denmark | 25. Israel | 37. Nepal | 49. Sweden |
| 3. Austria | 14. Estonia | 26. Italy | 38. Norway | 50. Switzerland |
| 4. Azerbaijan | 15. Finland | 27. Japan | 39. Pakistan | 51. Taiwan |
| 5. Belarus | 16. France | 28. Kazakhstan | 40. Poland | 52. Tajikistan |
| 6. Belgium | 17. Georgia | 29. Kyrgyzstan | 41. Portugal | 53. Thailand |
| 7. Brazil | 18. Germany | 30. Latvia | 42. Romania | 54. The Netherlands |
| 8. Bulgaria | 19. Greece | 31. Lithuania | 43. Singapore | 55. Turkey |
| 9. Canada | 20. Hungary | 32. Luxembourg | 44. Slovakia | 56. Ukraine |
| 10. Chile | 21. India | 33. Malaysia | 45. Slovenia | 57. United Kingdom |
| 11. People's Republic of China | 22. Indonesia | 34. Mexico | 46. South Africa | 58. USA |
| | 23. Iran | 35. Moldova | 47. Republic of Korea | |

Top-10 countries UrFU researches collaborate with (number of publications, 2012-2014)



International Events in Ural Federal University

**The university has become
a reputable platform for
international events**

**On June 22-25 2014 UrFU
hosted the 38th
ACM ICPC
World Programing
Championship**



**In 2014 the Championship was attended by 122 participating teams
from 41 countries (1 000 people including visitors and participants).**

- visas for everybody,
- accommodation in 7 hotels
- transportation with 39 buses
- 250 volunteers with fluent English

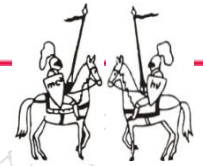


RUSSIA @ IYPT

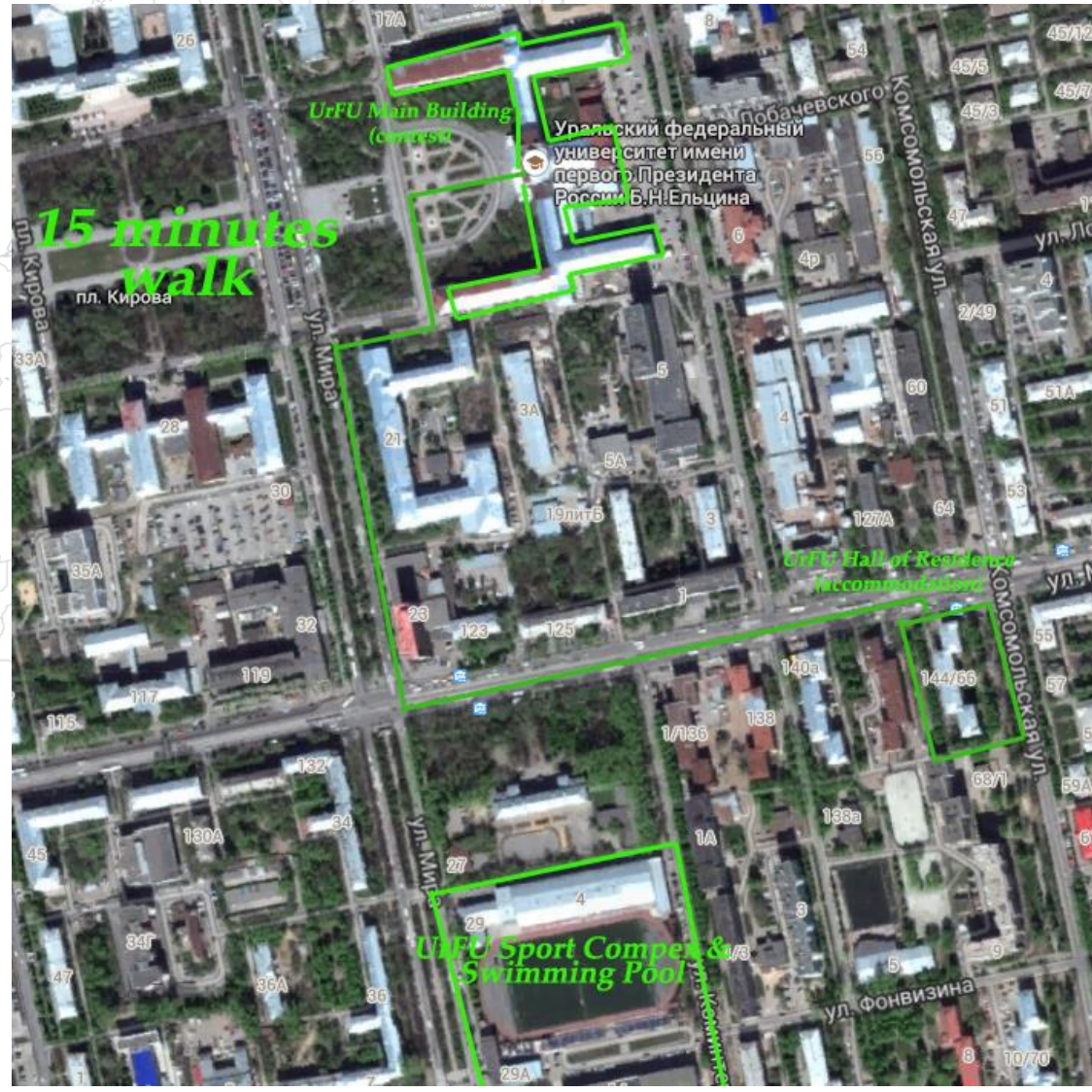
UrFU Lyceum team results looks good even if compared with the overall Russia's results in the tournament since 1994:

- **1994 – ‘Gold’(MSU Lyceum);**
- **2000 – ‘Silver’(UrFU Lyceum);**
- **2001 – ‘Bronze’(UrFU Lyceum);**
- **2004 – ‘Bronze’(SPSU Academic Gymnasium);**
- **2012 – ‘Bronze’(UrFU Lyceum and Novosibirsk Lyceum);**
- **2014 – ‘Silver’(Novosibirsk Lyceum);**
- **2015 – ‘Silver’(Novosibirsk Lyceum).**

**Thus, UrFU can be named among
Russia's leading centers of participation in IYPT.**



UrFU Proposal for Hosting IYPT



Contest

About 15 equipped halls at UrFU Main Building

Celebration

UrFU Grand Hall (at the Main Building)

Accessibility

10 minutes walk through UrFU campus. Fast & safe!

Accommodation

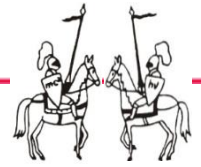
UrFU Halls of Residence

Leisure

UrFU Sports Complex & Swimming Pool

Vienna Festival

of Music Films (an open-air concert hall in front of UrFU Main Building)



“Physics Fights” in the lecture rooms of UrFU Main Building

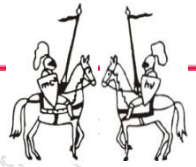
10 minutes walk from the Residence Halls

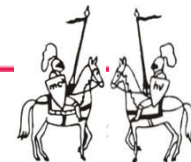
A prominent historical and cultural landmark

Capable to host all the aspects of contest



Accommodation in UrFU residence halls built in autumn 2013

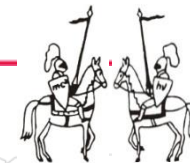




Opening and award ceremonies in UrFU Conference Hall



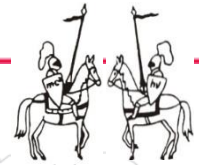
With the capacity of 500 seats, Grand Hall suits any celebration



Cultural Value

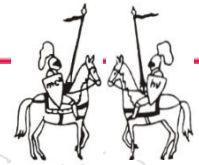
A trip to Ekaterinburg will also help the participants to learn more about Russian culture and history and UrFU. We can propose:

- **excursions to laboratories of the university**
- **walk/bus guided excursion around Ekaterinburg historical centre (*the Red Line*)**
- **excursion to the Europe – Asia border**
- **visit to one of world's largest technical museums at Verkhyaya Pyshma (*40 minutes drive*)**
- **excursion to unique UrFU Kourovka observatory to watch the stars (*1,5 hour drive*)**



Schedule of the tournament

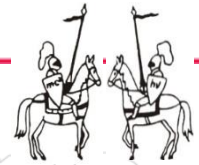
Dates of IYPT – 2016: 	June, 27 – July, 6
Day of arrival	June, 27
Opening and award ceremonies, “Physics fights”	June, 28 – July, 3
Day of departure	July, 4
Meetings of IOC and EC	July, 4 – 5
Day of departure of IOC and EC	July, 6



The list of members of the Local Organizing Committee is defined; Rector of the University is the chairman of the Committee

IYPT – 2016 is included in the list of events of the Ministry of Education and Science of Russia (MES)

IYPT – 2016 LOC will have MES and Regional Government support of the tournament



Contact persons from LOC

Vladimir Kruzhaev, URFU vice-rector for research, director of URFU Institute of natural sciences
v.v.kruzhaev@urfu.ru

Olga Inisheva, deputy director of UrFU Lyceum, the head of department of physics and astronomy of UrFU Lyceum
o.v.inisheva@urfu.ru

UrFU, Ekaterinburg



Thank you for attention



*International Young Physicists' Tournament 2017
(5th July, Wednesday - 14th July, Friday)*

Schedule for IYPT 2017 (tentative)

Day 1 (5th July, Wednesday): Arrival day



Image Courtesy of Singapore Tourism Board



Day 1 (5th July, Wednesday): Arrival day (cont.)

National University of Singapore Residential Colleges



Day 1 (5th July, Wednesday): Arrival day (cont.)

Park Avenue Rochester (<http://www.parkavenuerochester.com/>)



Day 2 (6th July, Thursday): Opening ceremony† and 1st Physics Fight

0730 – 0845	Breakfast @ ...
1000 – 1200	Opening ceremony @ uTown Auditorium 2
1230 – 1300	Juror meeting @ uTown ...
1300 – 1400	Lunch @ uTown ...
1430	1 st Physics Fight @ Education Resource Centre
1830 – 2000	Dinner @ uTown ...

†uTown Auditorium 2 (466 pax) (Stephen Riady Centre))

Opening ceremony



Physics Fights



Day 3 (7th July, Friday): 2nd Physics Fight + ...

0730 – 0845	Breakfast @ ...
0900	2 nd Physics Fight @ Education Resource Centre
1300 – 1400	Lunch @ uTown ...
1430	...
1830 – 2000	Dinner @ ...



Canopy Walk



HortPark



Alexandra Arch



The Singing Forest



Forest Walk



Alkaff Mansion



Sembcorp Forest of Giants



Henderson Waves



Faber Walk



Marang Trail

HOW TO GET TO THE START POINT

By car

Park at Seah Im public carpark

By MRT

Take the Circle Line or North East Line to HarbourFront MRT Station (NE1/CC29).

By bus

Take bus service numbers 10, 30, 57, 61, 65, 80, 93, 97, 100, 131, 143, 145, 166, 300, 408* and 855 to HarbourFront MRT Station.

*408 operates during weekends and on public holiday only.

Route A: →

From Mount Faber Park – Telok Blangah Hill Park – HortPark – Kent Ridge Park (3–5hr)

This route takes you on a trail from the eastern edge of the Southern Ridges to its west. You will go through Mount Faber, past the iconic Henderson Waves and up Forest Walk. The route also brings you through HortPark – a charming park that also offers gardening ideas and solutions, and finishes at Canopy Walk in Kent Ridge Park.

(Back to Introduction page)



Legend

- MRT Station
- Bus Stop
- Food & Beverage
- Swamp
- Lookout Deck
- Crest
- Bus Stop
- Road
- Recommended Route
- Alternate Route
- Park Connector

Your Guide to HortPark & the Southern Ridges



Day 4 (8th July, Saturday): 3rd and 4th Physics Fight

0730 – 0845	Breakfast @ ...
0900	3 rd Physics Fight @ Education Resource Centre
1300 – 1400	Lunch @ uTown ...
1430	4 th Physics Fight @ Education Resource Centre
1830 – 2000	Dinner @ uTown ...

Day 5 (9th July, Sunday): 5th Physics Fight + ...

0730 – 0845	Breakfast @ ...
0900	5 th Physics Fight @ Education Resource Centre
1300 – 1400	Lunch @ uTown ...
1430	...
1830 – 2000	Dinner @ ...

Gardens by the Bay



Day 6 (10th July, Monday): Final Physics Fight + Awards and Closing Ceremony†

0730 – 0845	Breakfast @ ...
0900	Final Physics Fight @ uTown Auditorium 2
1300 – 1400	Lunch @ ...
1530	Awards and Closing Ceremony @ uTown Auditorium 2
2000 – 2230	Farewell Dinner and Party @ ...

†uTown Auditorium 2 (466 pax) (Stephen Riady Centre))

Day 7 (11th July, Tuesday): Excursion †

† Sponsor

Day 8 (12th July, Wednesday):

Teams depart/IOC meeting begins @ NUS Physics Department)

Day 9 (13th July, Thursday): IOC meeting (@ NUS Physics Department)

Day 10 (14th July, Friday): IOC departs

Logged in

CURIIE - Common User Registration for IYPT (Internet Edition)

You are **not registered** for any tournaments.
(Registering you for a tournament has to be done by your team/group manager. Independent jurors can apply below.)

Independent Juror Applications

Applications to become an independent juror are currently possible for the following tournaments. Click the tournament names to file an application.

- [IYPTest](#) (Application deadline: 2017-06-23)



Application as independent juror for IYPTest

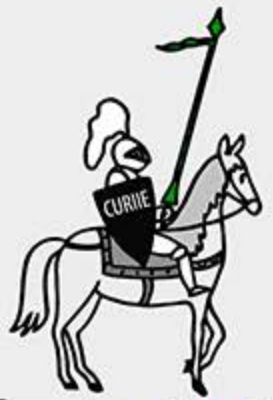
This process only applies to you if you are not going to be a team leader juror or a locally appointed juror. Team leader jurors are in the responsibility of the participating team's group manager. Locally appointed jurors are in the responsibility of the LOC.

If you you have any questions, please refer to our head of the Jury Committee [Martin Plesch](#).

To apply to become an independent juror in IYPTest, please confirm that all of the following statements are true:

1. I have either a degree in physics or a degree in physics education and three years of teaching experience in physics at a secondary school level.
2. I have gained experience in acting as juror in the IYPT jury in the past, e.g. by acting as team leader juror, locally appointed juror or independent juror.
3. I have uploaded a CV to my [profile](#).
4. I want to participate in IYPTest as an independent juror. I understand that if I am accepted, only my board, lodging and participation in any of the IYPT's events will be covered by the LOC, but not your travel expenses.

All of the above is true. [Submit](#)



Errors in form, please check it out.

Application as independent juror for IYPTest

This process only applies to you if you are not going to be a team leader juror or a locally appointed juror. Team leader jurors are in the responsibility of the participating team's group manager. Locally appointed jurors are in the responsibility of the LOC.

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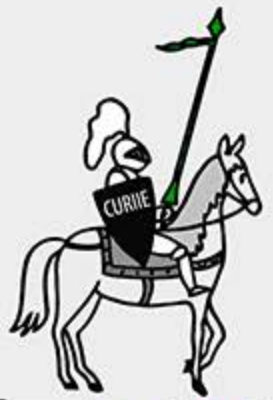
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All of the above is true.

You have not uploaded a CV. Please go to your profile page and upload a CV before proceeding.

[Submit](#)



Application sent!

CURIIE - Common User Registration for IYPT (Internet Edition)

You are **not registered** for any tournaments.
(Registering you for a tournament has to be done by your team/group manager. Independent jurors can apply below.)

Independent Juror Applications

You have applied to be an independent juror at the following tournaments. Your application will be reviewed by the jury committee. If you are accepted this message will be removed. Contact the head of the jury committee [Martin Plesch](#) if you want to withdraw your application or have further questions.

- [IYPTest](#)

Applications to become an independent juror are currently possible for the following tournaments. Click the tournament names to file an application.

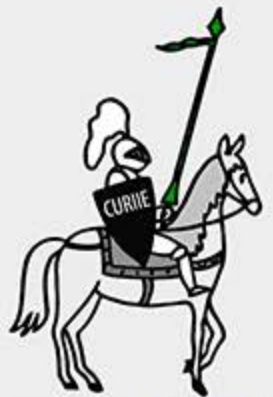
- [IYPTest](#) (Application deadline: 2017-06-23)



skype
Kathryn Zealand is online

Pending Juror Applications of IYPTTest

First Name	Last Name	Email	Picture	CV	Confirm Application
Koarl	Testerl	hell+koarltesterl2@student.tugraz.at	no pic	CV	Confirm Application
Koarl	Testerl	timhell+koarl44@gmail.com	no pic	CV	Confirm Application
TestJuror	IYPT	timhell+testjuror@gmail.com	no pic	CV	Confirm Application



Pending Juror Applications of IYPTTest

First Name	Last Name	Email	Picture	CV	Confirm Application
Koarl	Testerl	hell+koarltesterl2@student.tugraz.at	no pic	CV	Confirm Application
Koarl	Testerl	timhell+koarl44@gmail.com	no pic	CV	Confirm Application



Groups of IYPTest

[Create group](#)

Name	Edit	Members	Group Managers
Independent	Edit	Members	Managers



Members of Independent

[Add member](#)

Member	Status	Edit Participation Data	Edit Profile Data	Delete
Hell, Timotheus <timhell@gmail.com>	confirmed	Participation Data	Profile Data	Delete
Hofferek, Georg <georg.hofferek@gmx.net>	confirmed	Participation Data	Profile Data	Delete
IYPT, TestJuror <timhell+testjuror@gmail.com>	confirmed	Participation Data	Profile Data	Delete
Testerl, Koarl <hell+koarltesterl2@student.tugraz.at>	confirmed	Participation Data	Profile Data	Delete

[Set participation data for *all* persons in the group](#)

Fee Information

Total Fee Due: 0 EUR

Received by IYPT Treasurer: 0 EUR

Fee Status: We have not received any payment from you yet.

Detailed information:



IYPT



International Young Physicists' Tournament Nov. 2015

IYPT magazine progress & Call for papers

by Yung-Yuan Hsu (NTNU, Taiwan)

2015/07/04-05, Thailand



MAGAZINE

Why do we need IYPT magazine?

- **Scientific paper writing** is an important step in research. IYPT-Magazine provides a public stage for IYPT students to develop this capability.
- **Solutions of IYPT problems** can be publicly reported and discussed. It will leave valuable literatures for future study of IYPT problems.
- **Extended stage for IYPT students**, who are willing to share their efforts on the physics problems.
- **Activity reports**: IYPT-Magazine also provides an international platform for the participant countries to present the worldwide IYPT-related activities and exchange ideas of Physics/Science education.



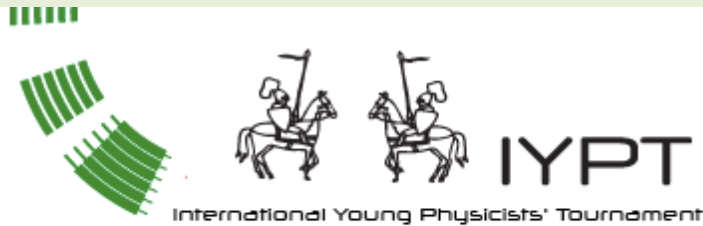
IYPT magazine

- Official magazine of IYPT
- Language: English
- Advisory board: EC Members of IYPT
- Editorial board: Physics department, NTNU
(Hope to include more international editors)
- Aim:

In order to advance the physics education to the globe collaborations, the IYPT magazine is a place to share the brilliant solutions of IYPT problems and what one has learned from IYPT competitions.



Official IYPT magazine: link from IYPT website



[Home](#) [Problems](#) [Tournaments](#) [Sponsors](#) [Documents](#) [Contact](#)

Search iyp.org

International Young Physicists' Tournament

Welcome to the official website of the International Young Physicists' Tournament. The IYPT, sometimes also referred to as "Physics World Cup", is a team-oriented scientific competition among teams of secondary school students. The participants present their solutions to scientific problems they have prepared over several months and then discuss their solutions with other teams. The roles of Reporter (Presentation), Opponent and Reviewer are graded by a jury consisting of international experts.

The **IYPT 2015** will take place June 27th to July 4th in Nakhonratchasima, Thailand.

The registration for IYPT is open for students only. All **registered teams** are invited to set the names of students via the **Curie system** until 27th of May. Do not forget to include your travel plans and set the after IYPT tour if you wish to participate.

The call for Independent jury members is closed now. The list of accepted jurors can be found [here](#).

[Problems 2015](#)  | [LOC 2015](#) | [Results 2014](#) | [Archive](#) | [Magazine](#) | [IYPT on facebook](#) | [IYPT on twitter](#)

IYPT magazine

- **Content:**

- IYPT related activities, usually invited articles from professor/team leader/organizer/EC/IOC member.
- Solutions to IYPT problems.

- **Readership:**

IYPT participants, physicists, undergraduates, high school students and teachers, people who interest in physical science

- **Potential readers:**

high school teachers and students who are interested in exploring physical phenomena, especially when preparing science exhibition/competition.

- **Community:**

more than 40 countries joined IYPT.

(Besides of IPHO, IYPT is one of the largest international physics competition.)



IYPT magazine

- Publish & Distribution:
1-2 volumes per year. Paper prints will be annually distributed during IYPT (Physics World Cup) to the participants.
- Future plan:
 - (a) year 1~: regular issues with contributions from 25-30 countries.
 - (b) year 3-5: publish of books regarding the IYPT problems & solutions.
 - (c) year 5-8: emphasized importance of IYPT magazine; becomes one the most important periodical publication for young scientist/students. Many of the published Physical problem/solution or ideas of science education can be spread out worldwide through IYPT magazine.



Editors :

Prof. Yung-Yuan Hsu (Chief editor)

Prof. Wen-Chin Lin (Associate editor)

Prof. Fang-Yuh Lo (Associate editor)

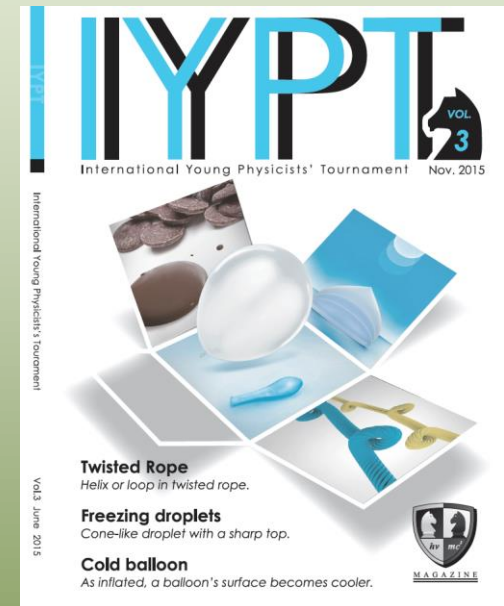
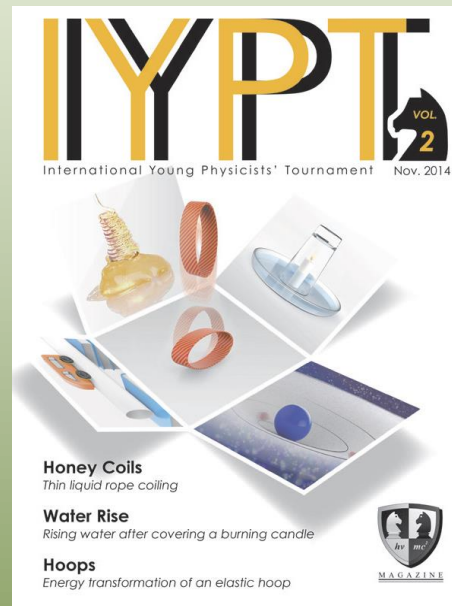
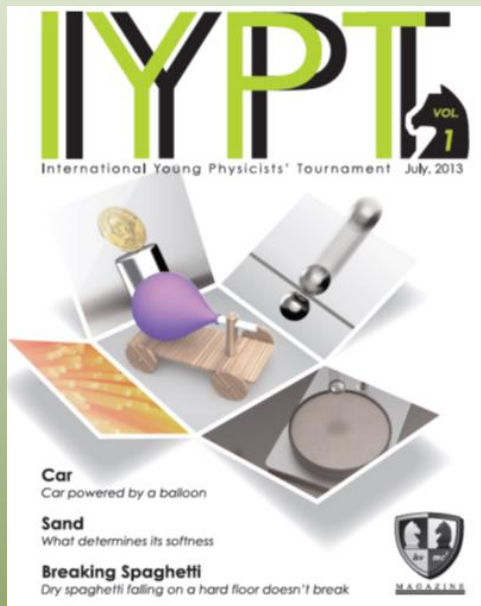
Prof. Chi-Ta Chia (Consultant)

Department of Physics,
National Taiwan Normal University

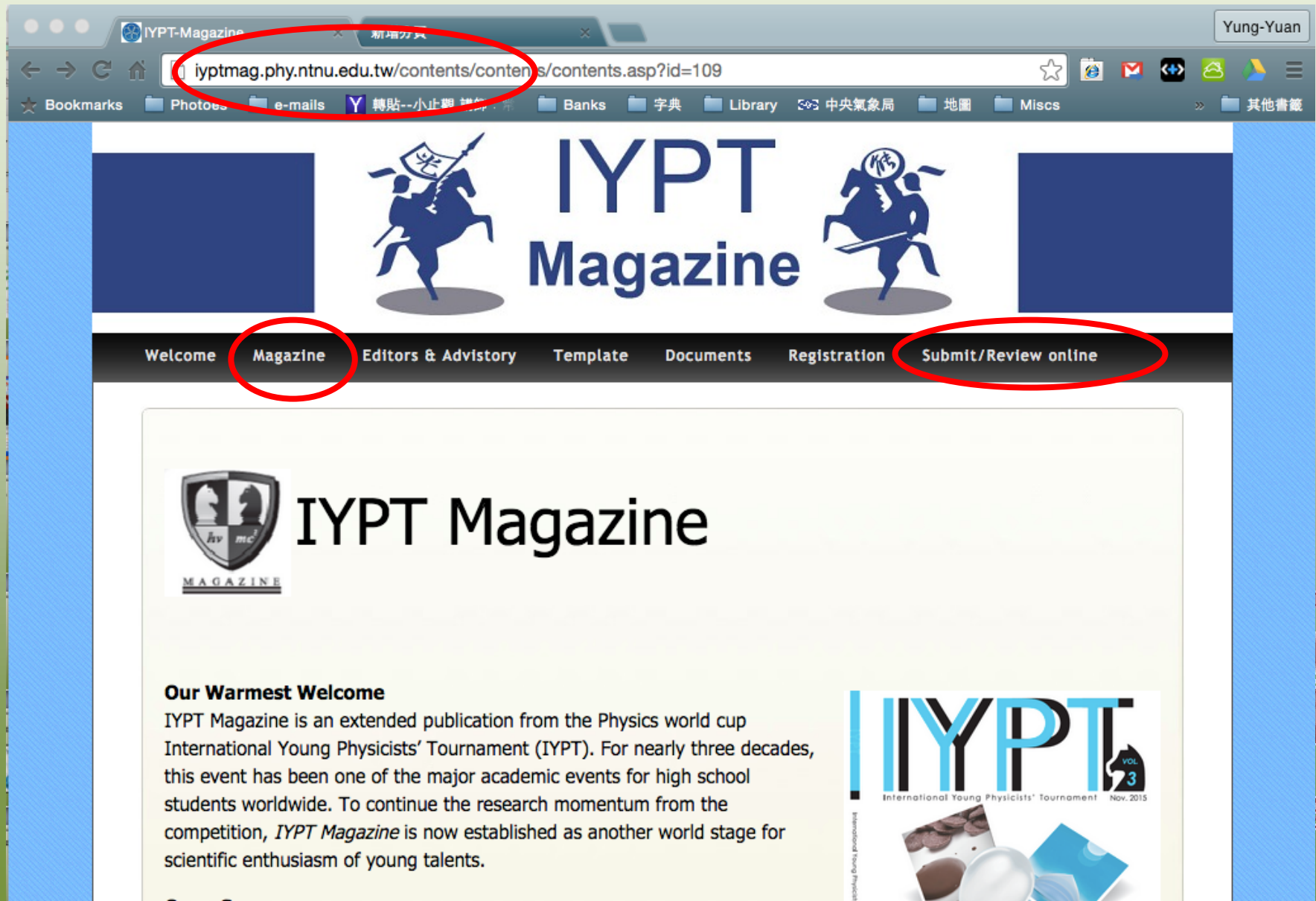
* Hope to include more international editors



3 issues published:



IYPT magazine website: online access, submission & review




The image shows a screenshot of a web browser displaying the IYPT Magazine website. The browser's address bar shows the URL iyptmag.phy.ntnu.edu.tw/contents/contents.asp?id=109. The website header features the IYPT Magazine logo, which consists of two stylized figures on horseback, one holding a flag and the other a sword, flanking the text "IYPT Magazine". Below the header is a navigation menu with the following items: "Welcome", "Magazine", "Editors & Advistory", "Template", "Documents", "Registration", and "Submit/Review online". The "Magazine" and "Submit/Review online" links are circled in red. The main content area displays the IYPT Magazine logo and the text "IYPT Magazine". Below this, there is a section titled "Our Warmest Welcome" with the following text: "IYPT Magazine is an extended publication from the Physics world cup International Young Physicists' Tournament (IYPT). For nearly three decades, this event has been one of the major academic events for high school students worldwide. To continue the research momentum from the competition, *IYPT Magazine* is now established as another world stage for scientific enthusiasm of young talents." To the right of this text is a thumbnail image of the IYPT magazine cover, which includes the text "IYPT VOL. 3 International Young Physicists' Tournament Nov. 2015".

Yung-Yuan

iyptmag.phy.ntnu.edu.tw/contents/contents.asp?id=109


Bookmarks Photos e-mails 轉貼-小止開 轉貼 Banks 字典 Library 中央氣象局 地圖 Miscs 其他書籤

Welcome **Magazine** Editors & Advistory Template Documents Registration **Submit/Review online**

 IYPT Magazine

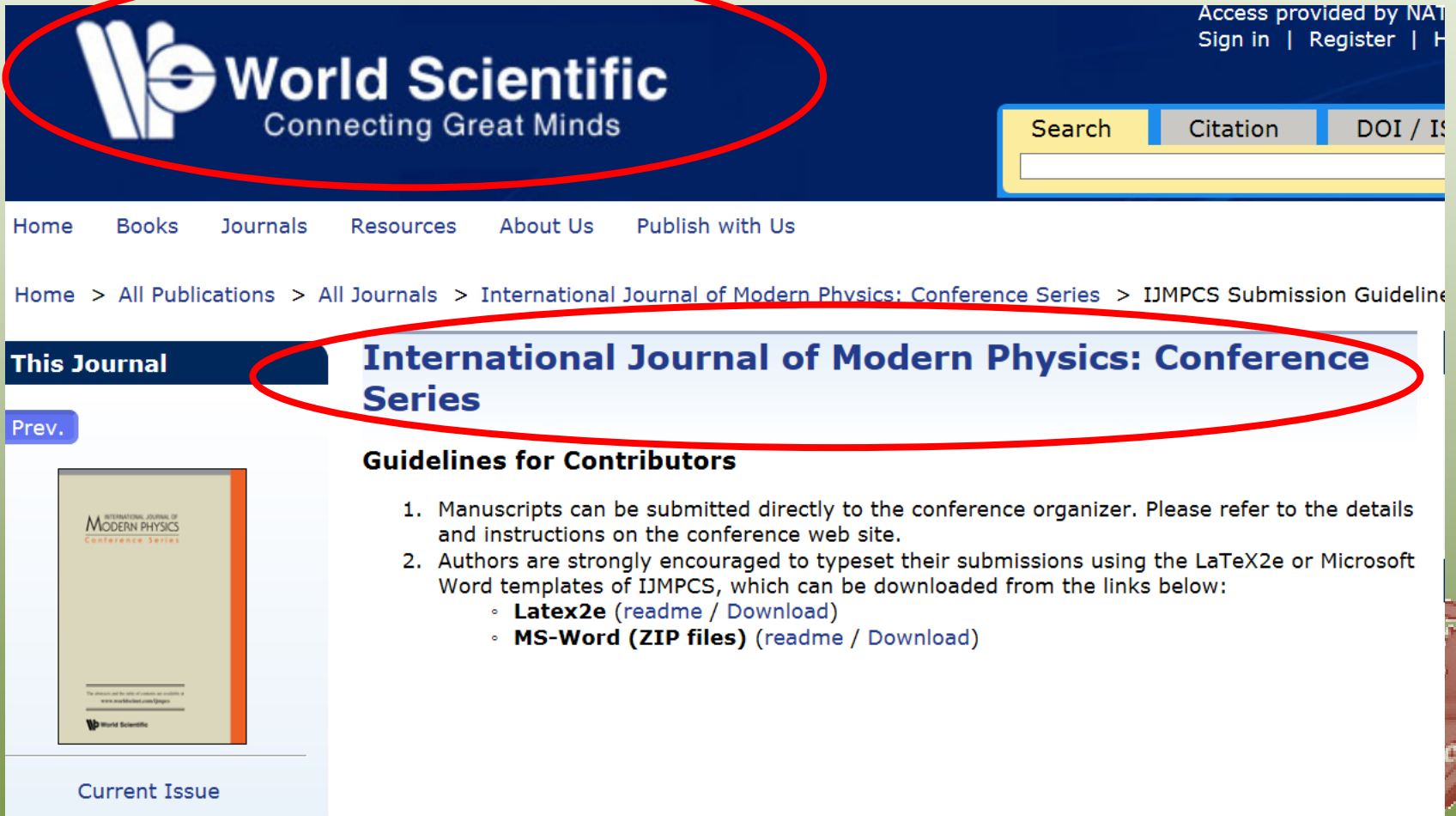
Our Warmest Welcome

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This Journal

Prev.

International Journal of Modern Physics: Conference Series

Guidelines for Contributors

1. Manuscripts can be submitted directly to the conference organizer. Please refer to the details and instructions on the conference web site.
2. Authors are strongly encouraged to typeset their submissions using the LaTeX2e or Microsoft Word templates of IJMPCS, which can be downloaded from the links below:
 - **Latex2e** ([readme](#) / [Download](#))
 - **MS-Word (ZIP files)** ([readme](#) / [Download](#))

Current Issue

<http://www.worldscientific.com/page/ijmpcs/submission-guidelines>

We need your join:

- Invite International Paper Reviewers
(patient reviewers to guide the young writers)
- Invite International Paper Submission
(from worldwide IYPT students)

IYPT Magazine 4th issue:

Call for papers!!



Principles for creating budgets of IYPT

1. Budget is strictly divided into the “central part”, “LOC part” and “project part”. Further limits apply for the central part.
2. Budget is divided into chapters respecting the priorities of IYPT
3. Each chapter is maintained and used by its dedicated governor
4. Budget covers following IYPT priorities (within given limits of the central budget)
 - a. Travel of EC members to IYPT, EC meeting and inspector visit
 - b. IT infrastructure and support (purchases, services, travel costs, ...) 15%
 - c. Problem committee 5%
 - d. Jury committee 5%
 - e. Fundraising and outreach activities 5%
 - f. Archive 5%
 - g. Presidential fund 10% fixed
 - h. Independent jurors travel support 10%
 - i. Team in need support 10%
5. Treasurer can decide about an increase of a chapter by up to 50 EUR, president by up to 200 EUR and the EC as whole by up to 500 EUR
6. Budget is prepared by the treasurer in cooperation with the chapter governors and approved by the EC
7. Any increase of the limits, as well as usage of accumulated funds needs approval of the IOC
8. Actual spending report is presented for the current financial year during the annual IOC meeting