

Physics Competitions

Journal of the World Federation
of Physics Competitions





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Front page: Picture of Estonian dancers, welcoming the participants of the 43rd IPHO in Tallinn/Estonia
(picture: Gunnar Friege)

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Aims of Federation

- 1) To promote excellence in, and research associated with, physics education through the use of school physics competitions;
- 2) To promote meetings and conferences where persons interested in physics contests can exchange and develop ideas of use in their countries;
- 3) To provide opportunities for the exchanging of information for physics education through published material, notably through the Journal of the Federation;
- 4) To recognize through the WFPPhC Awards system persons who have made notable contributions to physics education through physical challenge around the world;
- 5) To organize assistance provided by countries with developed system for competitions for countries attempting to develop competitions;
- 6) To promote physics and to encourage young physicists.

Editorial

Dear Reader!

This is the first journal of the World Federation of Physics Competitions published on our new homepage and it is now free of charge.

Since April 2012 a new team of the Executive Committee has been working. This is the second journal the new team has produced. Beside that we are trying hard to check all our members worldwide. Due to that it might be you have received a mail from our secretary. I am asking you to help us to get a proper list and I thank you for your help. You can see that the layout of our journal has been changed and we hope for the better. In connection with that we have to apologise for the bad quality of the photos in our last journal. It was due to a technical problem, which cannot happen in future.

From 01-03-2013 to 03-03-2013 there was a meeting of the Executive Committee in the city of Kiel in Germany. There we decided that in future the Federation will run as follows:

- Becoming a member of the WFPPhC is free of charge.
- Each WFPPhC-member gets a newsletter, normally three times a year.
- The journal of the Federation will be published on the home page normally twice a year.
- As in the past, there will be organized a Congress every two years. The next Congress will be in 2014.
- Further information about this Congress will be published on this homepage soon.

The picture on the front-page shows Estonian dancers welcoming the participants of the 43rd International Physics Olympiad in Tallinn/Estonia on the arrival day. Estonians capital was the venue of this event with a fantastic atmosphere and extremely challenging problems on a very high standard.

There will be an article about this great event in our next journal. In this journal you can find an interesting article about the 1st World Physics Olympiad, then being a new type of competition. It successfully took place in Indonesia. You can also find a description of the so-called Junior League of the Young Physicists' Tournament, having taken place in Ukraine with remarkable success. A very good interaction between the secondary school subjects physics and geography is presented in the next text, written by a Hungarian colleague. "Amazing Science" gives an insight into the way children can be brought to approach science competitions at the point of becoming secondary school students, very well done in Ukraine. The Hunveyor-Project, described in the next article, can bring didactical information on how teaching of physics can be done in a way very close to a competition. There have been outstanding results in Hungary.

We invite you to become a member of our federation and to take part in our world-wide activities. All over the world there are so many projects in physics education of secondary school students using different kinds of competitions or similar programmes. We feel everybody should know about these great events. Hence we ask you to send us an interesting article to be published in this journal. If you wish to write a text, I recommend to have a look at our homepage and to click "authors' templates". Thank you!

I want to point out that authors are responsible for their articles including all the figures. In addition I have to say that an authors' opinion is not necessarily the editors' view.

I truly hope you can enjoy this journal and all its interesting points.

December 2012



(Helmut Mayr)
president