

UKRAINIAN PHYSICISTS STRENGTHEN THE COOPERATION WITH THE PHYSICAL COMMUNITY OF EUROPE (Information)

The joint session of the Executive Committee of EPS and Ukrainian Physical Society (UPS) was held during June 22–25 2006 in Kyiv. This session was also attended by the representatives of the National Academy of Sciences of Ukraine (NASU), Ministry of Science and Education (MSEU), Universities, and other organizations.

It is important to note that this meeting was initiated by the EPS (now it unites 38 national associations of physicists of Europe) with the aim to strengthen contacts of the physical communities of Europe and Ukraine.

The importance of physics in many areas of the social life and industrial relations is testified by many facts, for example, those concerning the role of physics in the technological progress: in high technologies, electronics, computer sciences, communications, etc. Year 2005 was celebrated as the year of Physics. The jubilee actions and celebrations passed, but physics remained with all its great achievements and modern problems. The joint session also considered the possible ways to solving these problems .

In the opening ceremony of the meeting took part President of EPS, Prof. O. Poulsen, Counselor of President of Ukraine, Prof. I.R. Yukhnovskiy, Vice-President of NASU, Prof. A.G. Naumovets, Head of the Division of Physics of NASU, Prof. V.M. Loktev, President of UPS, Prof. V.G. Litovchenko.

During the session, Executive Committee of EPS devoted the substantial amount of time to the concept of the functioning of the future European Technological Institute (initiated by the EC member countries) which is now in the process of establishment. Up to now the discussions are running whether it will be one



Fig. 1. President of EPS O. Poulsen and President of UPS V.G. Litovchenko during the joint session

megainstitution with a clear localization or a confederation of the institutions placed in different countries. Coming from the necessity to integrate the Ukrainian scientists into the joint European science, the Ukrainian physicists (whose opinion was consultative in this case) supported the second version and proposed to involve the Ukrainian institutions into this activity.

About a third of the session time was devoted to the problems of the development and popularization of physics in Ukraine and to the state of the physical education in Ukraine.

Prof. V. Yashchuk, as Head of the Coordination Bureau of UPS, spoke about the structure of UPS and its problems.

Prof. A. Zagorodny devoted his speech to the state and problems of the Ukrainian regular issues dealing with physics: journals, handbooks, monographs, popular issues on physics, etc.



Fig. 2. Welcome speech of President of EPS O. Poulsen



Fig. 3. President of EPS O. Poulsen and Ex-President of EPS M. Huber during the session



Fig. 4. Vice-President of NASU A.G. Naumovets, Ex-President of EPS M. Huber, and President of UPS V.G. Litovchenko during the discussion

Deputy Minister of MSEU M. Stepko spoke about the state of physical education in Ukraine and the adoption of the Bologna process to the educational system in Ukraine.

Prof. V. Loktev reported about the scientific achievements in fundamental physics in Ukraine.

The achievements of applied physics in Ukraine (especially those concerning high technologies, the formation of nanocrystals based on the self-organization processes, the creation of structures with supersmall clusters sensitive to the influence of various environments (the so-called open quantum dots) as the base for the development of sensors of the next generation, etc.) were clarified by President of UPS V.G. Litovchenko.

The report on the achievements in the creation and fabrication of new superhard materials was presented



Fig. 5. During a sightseeing walk

by Director of the Institute of Superhard Materials of NASU, Prof. M.P. Novikov.

Ex-Presidents of UPS, Prof. V.G. Baryakhtar and Prof. S.M. Ryabchenko spoke about the new possibilities in widening the relations of scientists and students-physicists with the European institutions and on the problem of generations in the personal staff of physicists in Ukraine.

The important proposals were discussed and formulated in the memorandum of the joint session of the EPS Executive Committee and the UPS Coordination Bureau.

The decisions were made on the support of the Ukrainian journals on physics, the increase of the number of the grants for young physicists of Ukraine for the participation in EPS conferences, and the decrease of the annual dues for the countries of Eastern Europe. The session has also discussed the question on the establishment of the EPS center for the countries of Eastern Europe in Kyiv, as well the intensification of the links of EPS with the Ukrainian physical institutions, in particular through UPS. It can be expected that this session will give the essential impulse to the development of the physical knowledge in Ukraine.