

коллегами в области ядерной физики. При этом появляются более широкие возможности проведения международных конференций на базе ТПУ, совместных публикаций в престижных научных изданиях.

2. Создание механизма постоянно действующих зарубежных стажировок для преподавателей, научных сотрудников, аспирантов и докторантов в зарубежных университетах.

Такая задача может быть решена только на основе системы соглашений между конкретными кафедрами университетов, имеющих реальное сотрудничество.

3. Согласование учебных программ (взаимное признание) и организация альтернативного (включенного) обучения как российских, так и зарубежных студентов. В результате решения такой задачи у учащихся появляется возможность получения дипломов двух вузов (ТПУ и зарубежного) за сравнительно короткое время, лучшие условия для изучения иностранного языка.

4. Развитие системы обучения в ТПУ иностранных студентов. Все это может существенно укрепить международные позиции ТПУ, обеспечить международное признание, усилить привлекательность нашего университета для российских и зарубежных студентов, подтвердить имидж ТПУ как одного из лучших высших технических учебных заведений. Безусловно, это будет выгодно и в экономическом отношении, что даст дополнительные возможности для развития вуза.

Ю. П. Похалков,
ректор ТПУ

На фото: ректор ТПУ Ю. П. Похалков в Ульсане, Юж. Корея

Photo: rector TPU Yu. P.

Pokholkov during his visit to Ulsan, South Korea

This issue of magazine "Tomsk polytechnician" is devoted to international contacts of Tomsk polytechnical university. It is caused by an urgency of the problem, availability of a certain work experience, and a desire to inform our readers, graduates about what occurs in this sphere of activity of our higher school.

Even the fluent sight in the past convinces, that the formation and development of the firstling of higher engineering school in Siberia passed in the close connection with leading - in the beginning of XX century - scientific and educational centers, various firms of Europe, America and Great Britain. Tomsk technological institute (TPU) equipped its laboratories and libraries with the newest - for those times - devices and technical literature from Germany, France, and England. Scientists of TPU - geologists, chemists, physical metallurgists - had established contacts with Californian gold-mining companies. They did field-work at American, British and German universities, received

scientific degrees abroad, published their papers in recognized foreign magazines, were invited to international congresses and conferences.

Such opportunities allowed one to keep in Siberia young scientists, many of whom had glorified by their researches and inventions not only domestic, but also the world science and engineering. However in a history of international cooperation there were both ups and downs. It depended on change of state power and political orientation. In spite of the fact that Tomsk for a long time remained a city, closed for foreigners, and the business trips of our scientists abroad were limited, some contacts with foreign colleagues have been established.

In the 50-60's years there were long business trips in Italy, Germany, the USA, England of the professors I.P. Chuchalin, V.M. Kuznetsov, Yu.P. Usov, V.A. Kochegurov, and others. Betatrons created at Tomsk polytechnical institute were introduced practically in all countries of the former





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COMECON: Poland, Bulgaria, GDR, Czechoslovakia etc. In those years, thanks to the rector of the higher school A.A. Vorobyov, the cooperation with Beijing State University in the area of accelerating engineering began. The professors and investigators from TPI (TPU) rendered the advisory help, taught in India, Vietnam, and some African republics.

In essence, the conditions for development of international activity in TPU substantially improved after 1990, when Tomsk again became the city, opened for the foreigners.

Now the cooperation with universities from different countries of the world develops according to the contracts, agreements, and memoranda.

It is necessary to note, that due to the efforts of the department of

international cooperation, created in TPU, headed by vice-rectors V.Z. Yampolsky (1990-1994) and N.P. Kirillov (since 1994 up the present), the contacts of TPU with foreign universities are increasing and advancing.

In this issue of the magazine you have an opportunity to appreciate the level of international, external economic activities of TPU, in

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На фото: торжественное собрание по случаю выпуска бакалавров РАЦ ТПУ, 1997

Photo: the graduation of bachelors of RAC of TPU, 1997

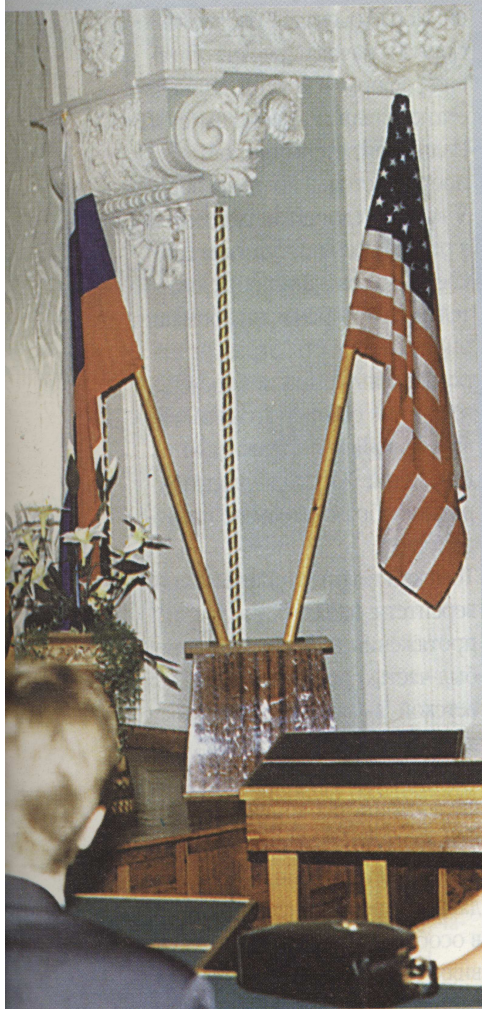
which not only science officers and teachers, but also students are involved now.

I would like to state here only some reasons concerning tasks in this field for the nearest 2-3 years. Nowadays the urgency of this kind of activity grows almost every day. In conditions of market economy the development of higher school is impossible without its recognition by foreign partners. It may be only when the cooperation of higher school with foreign universities in academic and scientific spheres is sufficiently advanced. Systematic, constant contacts of teachers and scientific workers with the foreign colleagues considerably enliven and renew methodology and technologies both in education and in conduct-

ing of scientific research. Even individual visits of foreign scientists and teachers to faculties are good stimulus for our workers in study of foreign languages, development of scientific and academic contacts. Everything that repeatedly intensifies with organization of real practical training of our investigators abroad and work of the foreign colleagues in our laboratories and at subfaculties.

In this connection, the basic tasks of international cooperation in TPU are the following:

1. To organize efficient international laboratories at faculties and in research institutes at TPU. This is possible on the basis of one or several scientific schools, participation in international programs, reception of interna-



tional grants. The examples of this today can be seen in the joint activity of Nuclear research institute at TPU with the Japanese colleagues in the field of nuclear physics. This provides more opportunities to hold international conferences in TPU, to publish joint works in prestigious scientific editions.

2. To provide practical training for teachers, scientific workers, post-graduate students and candidates for doctor's degree at foreign universities on a regular basis. This may result from agreements between particular subfaculties of universities having real cooperation.

3. To coordinate the educational programs (mutual recognition) and organization of the alternative

(included) training of both Russian and foreign students.

4. To train foreign students at TPU.

All this can essentially strengthen international positions of TPU, ensure its international recognition, increase its attraction for Russian and foreign students, and confirm its reputation of one of the best higher technical educational institutions. Certainly, it will be favorable economically as well, hence it will give additional opportunities for the development of our institute.

Yu.P. Pokholkov,
the rector of TPU Pechor TTIY

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