Meeting of Consultative Scientific Council “Skolkovo”

May 17-18, 2012

Novosibirsk

SIBERIAN BRANCH OF RUSSIAN ACADEMY OF SCIENCES: STATUS, RESEARCH AND DEVELOPMENT

Academician A.L. Aseev
Chair of Siberian Branch of RAS
Novosibirsk

Moscow

2166.1 miles

Novosibirsk
Academician M.A. Lavrentyev, Mathematician and Physicist, Founder of SB RAS

«S.A.Khristianovich, S.A.Lebedev and I saw it more and more clearly that Siberia with its problems is a beneficial field of action for science and its applications, that it was time to move the big science closer to the industrial centers, to the east.»

Newspaper “Pravda”, February 14, 1956.

«The future of the Siberian branch depends entirely on how successfully we manage to keep the harmonic three unity “science – education – industry”.

»
Basic Principles for Organization of Siberian Branch of RAS

- Multidisciplinarity and concentration of institutes in Scientific Centers;
- Development of priority trends of fundamental researches;
- Integration of science and education: involvement of staff and facilities of academic institutes in teaching at Novosibirsk State University and other Siberian universities; graduation of students for research institutes, higher schools and industry of Siberia;
- Application of scientific results into industry and practice, first of all, in Siberian region.
SIBERIAN BRANCH OF RUSSIAN ACADEMY OF SCIENCES

- Total employment – 29,631
- Number of researchers – 8,878
- Number of Doctors of Sc. – 1,853
- Number of Members of the Russian Academy of Sciences – 155
- Four academic towns (in Novosibirsk, Irkutsk, Krasnoyarsk and Tomsk)
- Nine scientific centers (in Novosibirsk, Irkutsk, Krasnoyarsk, Tomsk, Yakutsk, Ulan-Ude, Kemerovo, Omsk and Tyumen)
- Single institutes in Barnaul, Biisk, Kyzyl and Chita
- More than 100 scientific schools in field of Mathematics, Physics, Chemistry, Biology, Geology and Geophysics, Computer Science, History, Economy, Humanity a.o.
- Budget from different sources in 2011 – above 21 Bln. Rub. (0,7 Bln $)
The institutes of SB RAS integrate with universities, and as a result there are **179 basic chairs**, 80 research-education centers, 52 objects of joint scientific infrastructure and 42 other education structures functioning with participation of SB RAS;

The joint chairs involve **5660 students** of the 3\(^{rd} – 5^{th}\) years and 866 undergraduates;

**1879 researchers** (including 647 doctors and 969 candidates of science) from the SB RAS institutes supervise 2758 students preparing their graduation and master’s theses;

**2410 scientists give lectures in the universities**, among them 967 doctors and 1240 candidates of science. 1327 researchers supervise the graduate students, including 859 doctors and 465 candidates of science;

**15 textbooks and 255 manuals** have been prepared by the joint efforts of the institutes and universities.
Established in 1958, simultaneously with the Siberian Branch of Academy of Sciences of the USSR. On September 29, 1959, Academician S.L. Sobolev gave the first lecture to the students of the new university;

Number of students today is 6011, 1407 students graduated in 2011;

80% of the NSU faculty are the scientists from 26 institutes of SB RAS, including 55 RAS members, more than 450 doctors and 700 candidates of sciences. 90 chairs of NSU are located in the SB RAS institutes;

More than 50 thousands of specialists have been graduated, more than 6 thousands of them became candidates of sciences, and more than 1600, doctors. 48 graduates of NSU are members of Russian Academy of Sciences. There are winners of prestigious international and Russian awards and prizes among the NSU graduates.

The NSU graduates are directors of more than 20 institutes of RAS. Many of them are employed as managers of large industries and business organizations.

Today NSU carries out six megagrandants of Russian Ministry of Education and Science with participation of scientists from abroad.
Various equipment for scanning and transmission electron microscopy, scanning tunneling and atomic force microscopy, spectroscopy and electrical measurements
The Special Education-Scientific School of physical-mathematical and chemical-biological specializations was organized in accordance with the decree of Council of Ministers of the USSR № 1241 of October 21, 1988, on the basis of Novosibirsk boarding high school of physical-mathematical and chemical-biological specializations named after Academician M.A. Lavrentyev.

Every year more than 300 scholars graduate from the school, and more than two thirds of them enter NSU.
Young researchers of SB RAS receive the prizes of outstanding scientists
April 21, 2011
House of Scientists, Novosibirsk Akademgorodok
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