

PROFESSOR V.K. ZHUKOV IS 70



On the 9th of October, 2007 professor of data-computing engineering department of Tomsk Polytechnic University Vladimir Konstantinovich Zhukov, Doctor of Engineering, Honored Scientist of the Russian Federation, member of RAES, member of HS IAS, honorary workman of professional education, Honorary Professor of the TPU is 70.

V.K. Zhukov was born on the 9th of October, 1937, in Kemerovo region, Mundybash settlement. His parents are peasants by birth, workers of Mundybash dressing works. His father was repressed in 1938 and sentenced to be shot by decree of «troyka»; he was exonerated posthumously in 1954. His mother worked at delfts and was constantly among shock-workers and front-rank workers.

In 1955 V.K. Zhukov finished secondary school in industrial community Shalym (Gornaya Shoriya) and entered Tomsk Polytechnic Institute, radio engineering department and connected his life with it for a long time.

In 1960 graduated the institute with honors by profession «Electronic devices». He was offered a job on the department «Electrical measuring engineering» (EME) which had been just formed – at present it is the department «Data computing engineering» (DCE). He had risen from assistant at the beginning of his activity to professor, head of data computing engineering department and dean of electro physical department.

Since 1962 for 1965 he had begun scientific work among first graduates under the direction of the head of department, associate professor I.G. Leschenko. It was the period of forming scientific direction of new department work. In 1967 he defended candidate's thesis on

the issue «Questions of controlling dimensions of cylindrical nonmagnetic items by the eddy-current method» starting the count of these defenses at the department. Choice of such direction was caused by industrial demands in devices and machines for controlling quality of materials and items. Since that time and by the present scientific direction «Electromagnetic nondestructive check of materials and items» is the priority one at DCE department.

Since 1965 V.K. Zhukov is the assistant professor, in November 1969 he was confirmed in academic rank of associate professor. Since 1968 for 1971 he is the acting head of DCE department.

In 1975 started scientific work in ES RI at TPI, a head of laboratory then he worked as a head of division of electromagnetic inspection methods combining scientific work with pedagogical activity.

Professor of TSU A.B. Sapozhikov and professor of TPI I.G. Leschenko played an important role in becoming V.K. Zhukov as a scientist at the initial stage. They not only helped him in selecting themes of candidate and doctor theses, took part in discussing scientific results but also included him in scientific community of specialists in nondestructive inspection methods.

Tomsk school of electromagnetic nondestructive inspection was formed in TPU at direct participation of V.K. Zhukov. Theoretic studies of V.K. Zhukov in eddy-current transformers with variable geometry of exciting field form scientific base of this school.

In 1986 V.K. Zhukov was appointed to the position of the head of DCE department and dean of electro physical faculty. In the same year he defended Doctor of

Philosophy on the theme «Eddy-current transformers with variable geometry of exciting field». Title of professor was given in February 1989.

In course of scientific activity there was close collaboration of professors of the department and research workers of the laboratory № 61 «Electromagnetic inspection methods» of ES RE that influenced positively on the results of works. Research workers of the laboratory № 61 of ES RE took part at the same time in training of DCE department. Community of interests of the department and RE division and that time tendencies in combining training and scientific process resulted in development of educational-scientific association «MERA» by the order in TPI in 1986. The DCE department and 6th division of ES RE were included there. V.K. Zhukov was appointed the manager of the association. The cooperation was supported at the administrative level. Scientific researches were significantly extended after creating educational-scientific association «MERA».

V.K. Zhukov had worked as a head of department of electromagnetic and acoustic methods of nondestructive inspection of introscopy RE from 1976 to 1986.

On the basis of researches made by V.K. Zhukov in ES RE a number of basic models of electromagnetic defectoscopes and basic constructions of metal detectors of special purposes was developed. Monograph «Use of magnetic fields non-stationary in direction for identifying electorconducting objects» and teaching aid «Electromagnetic and magnetic defectoscopy» were published by the results of scientific researches.

V.K. Zhukov combines scientific activity with pedagogical work at the department of data-computing engineering fulfilling educational instructions requiring high skills: delivering lectures for students, graduate guidance, participation in State certification commissions.

Over these years V.K. Zhukov carries out active methodological work which he carried out even when he was a head of division in introscopy RE. That very period he set new discipline «Electromagnetic check» for studying at the department «Physical methods and devices of quality control» including methodical and engineering support of laboratory works, teaching aids were prepared, training laboratory where students were carried out laboratory works was created.

High degree of proficiency in different fields of engineering and lateral thinking allowed V.K. Zhukov to master and prepare training courses «Automatic gages», «Digital measuring devices», «Nondestructive method of

testing», «Introduction into specialty», «Theory of DCE» and «Mathematical treatment of measuring results».

Since 1967 to 1971 and 1986 to 2006 V.K. Zhukov had worked as a head of the department and since 1986 to 2002 he had worked as a dean of electrophysical faculty.

Perestroika, conversion to market made change the priorities in educational activities and scientific work. New specialties were opened at EPF and new master program were developed. About one third of these programs are disciplines of electrophysical faculty. V.K. Zhukov considered as a dean that one of the most important achievements of the faculty is a significant growth of motivation of youth to obtain knowledge.

V.K. Zhukov is a member of three dissertation councils in defence of Doctor of Philosophy and he is also a Chairman of the dissertation council D 212.269.09 with a right to take Doctor and candidate theses for defence in three scientific specialties.

In 1992 V.K. Zhukov was appointed a correspondent member of RF engineering science Academy and in 1996 he appointed a correspondent member of HS IAS; in 1995 he was appointed a member of engineering science Academy, in 2000 – a member of International Academy of science of High school. He has honors «Honoured Scientist of RF», «Honorary workman of Higher professional education», «Honoured Professor of the Tomsk Polytechnic University», his name entered in the book «Siberia in faces» devoted to the tenth anniversary of the association «Siberian agreement»

V.K. Zhukov is a member of Central board of Russian society in nondestructive control and engineering testing. More than 190 of his scientific works including 69 inventions were published. 11 candidate theses were carried out and defended under his scientific direction.

Scientific, pedagogical and social activities of V.K. Zhukov are awarded with medals «For valorous work in commemoration of 100th anniversary of Vladimir Ilyich Lenin», «Veteran of work», silver medal of the Tomsk Polytechnic University «For merit to the Tomsk Polytechnic University».

Marital status: wife – Galina Filippovna Shait, foreign language teacher, daughter – Asaliya Vladimirovna Mezentsева, lawyer, graduated from Tomsk State University.

On the occasion of jubilee colleagues, friends, pupils, students wish Vladimir Konstantinovich Zhukov good health and creative longevity.