

## PROFESSOR A.A. DULZON IS 70



Alfred Andreevich Dulzon was born on the 31 of July, 1937 in Saratov. In 1954 he finished the secondary school № 43 in Tomsk with golden medal and in 1960 graduated from Tomsk polytechnic institute with honors with specialty «Electric systems and networks». The whole professional biography of professor A.A. Dulzon during 47 years has been connected with the Tomsk polytechnic university. Assistant (1960–1962), assistant professor (1962–1963), postgraduate student (1963–1966) associate professor, the head of the high-voltage engineering department (1967–1974), deputy director and then the director of high voltage research institute at TPU (1974–1993), the first vice-chancellor of the TPU (1993–2000), professor of the international management department and the director of the TPU agency at Karlsruhe university (FRG) – (2000 to the present day). In 1966 he defended the candidate's thesis and in 1993 r. – the doctoral one.

Scientific activity of A.A. Dulzon is connected with researches and developments in the field of technology of solids electropulse fracture developed in TPU; with the development of high voltage impulse devices of defence purpose as well as with the investigations in the field of thunderstorm activity, striking physics and lightning protection of energy objects. Being a deputy director of NII VN he ran the projects of constructing devices for drilling wells with large diameter (to 1 m and more) by pulse electric discharges, devices for composite material fracture; projects connected with the development the simulator of nuclear blast electromagnetic pulse as well as with the development of electromagnetic weapon. The staff of the lightning protection laboratory established and headed by A.A. Dulzon during

20 years carried out the long-term field measurements of thunderstorm activity intensity by the lightning counter network designed in the laboratory, developed standard isoceraunic maps for the majority of energy systems of Western Siberia and Kazakhstan. The detailed reliability analysis of lightning protection of 6...500 kV power transmission of a number of energy systems of Western Siberia and Kazakhstan allowed not only specifying the action of a number of factors influencing the line reliability but also proposing concrete actions for its increase.

In recent years A.A. Dulzon has turned his attention to the study of questions of higher education management, problems of applied ethics, personnel management. He published about 200 scientific works including 17 monographs and work-books and 17 inventor's certificates and patents. He trained two doctors and 15 candidates of science. His students V.A. Rakov – the professor of Florida university (USA), one of the main specialists of the world in the field of lightning studying and V.P. Gorbatenko – doctor of geographical science, academic secretary of NII VN at TPU and professor of meteorology department at TGU are internationally known.

A.A. Dulzon gives lectures on: «Human resource management», «Organizational behavior», «Management decision development», «Project management», «Applied ethics», «Risk management», «technology transfer» at high methodological level to students and trainees of the program «Master of business management» and President program of training management for the national economy. From time to time he gives classes on project and personnel management, applied

ethics to the administrative employees of Tomsk region and areas.

A.A. Dulzon promotes actively the development of TPU international backgrounds. A number of international projects and grants by the programs TEMPUS and TESIS and grants HATO, ENBF and DFG was carried out and is still carried out under his supervision and his direct participation. In recent years more than 200 people (students, postgraduates, teachers, research engineers, employees of NTB and TPU and Karlsruhe university management services) have taken part in academic and scientific exchanges with the Karlsruhe university from both sides. In 2004 and 2006 he ran the three-week workshops on industrial design of German artist Hans Stuklik in TPU. In 2006 A.A. Dulzon ran a three-week workshop on sport management.

Professor A.A. Dulzon participates regularly in discussion the problems of Tomsk and Tomsk region. In 2003–2004 he ran two municipal seminars having involved specialists from the Karlsruhe university (FRG): «Hydroeconomic problems of Tomsk region», «Preservation of wooden architecture in Tomsk». He is a member of regional Commission for preservation of wooden architecture objects.

In 2006 and 2007 A.A. Dulzon ran the work of groups of Karlsruhe university architects who studied the state of a number of wooden architecture objects in Tomsk. In 2006 he organized the international seminars

on management accounting in universities and alternative energy sources.

A.A. Dulzon is a recognized specialist in the field of high voltage pulsing technology and management. He is a member of the International electrical engineering and electronics engineers union (IEEE) from 1996 to 2000 – Senior Member IEEE, a member of International engineering management society, member of the board in International society for powerful pulsing technology (since 1997), a member of the International electrotechnical academy, European engineer-teacher of ING-PAED IGIP (2002), certified trainer of «Project management» in Edinburg business-school (Scotland) (2002). He is also a president of Dissertation Council K212.269.02.

Professional activity of A.A. Dulzon is awarded by a number of rewards: Order of Honor (1996), Honored Science Worker of the RF (2000), medal «In commemoration of 100 anniversary of V.I. Lenin» (1970), medal «Veteran of work» (1987), Anniversary medal «Tomsk is 400» (2004), silver medal of VDKh (1977), silver medal of TPU (1996), medal «International man of a year» (Cambridge, 2001), anniversary medal «Russia trade union is 100», sign «High achiever of higher education in the USSR», sign «Inventor of the USSR», «Shock-worker of the 10<sup>th</sup> five-year plan», « Shock-worker of the 11<sup>th</sup> five-year plan «signs «Winner of social competition» in 1975, 1977 and 1979.