

## IN COMMEMORATION OF DR. OLEH M. SHABLIY.



On the 31<sup>st</sup> January 2016 the first Rector of the Ternopil Ivan Pul'uj National Technical University Dr. Oleh Shabliy, aged 81, passed away.

He was a talented scientist and a public figure, highly intellectual person, tolerant friend and colleague, Doctor of Sciences (Physics and Mathematics), Professor, Member of the Academy of Engineering Sciences of Ukraine, Honoured Scientist of Ukraine.

Dr. Oleh M. Shabliy was born on the 18<sup>th</sup> June 1935 in the Ternopil region. In 1958 he graduated from the Lviv Ivan Franko State University. In 1963 he defended the Candidate of Sciences thesis and in 10 years he gained his Doctor of Sciences Degree in Physics and Mathematics.

In 1961 Dr. O. Shabliy started his career as the Assistant of the Department of the theoretical mechanics at the Ternopil branch of the Lviv Politechnical Institute, 1963 – 1964 – Sin. Teacher, from 1964 till 1985 – Head of Department.

He challenged himself as the capable guide and administrative manager: Director of the Ternopil branch of the Lviv Politechnic Institute (TBLPI, 1985 – 1991), Rector of the Ternopil Instrument – making Institute (1991 – 1997), Rector of the Ternopil Ivan Pul'uj State Technical University (1997 –

2007). Besides, he has been one of the first Doctors of Sciences (Physics and Mathematics) in the Ternopil region (since 1974), Professor (since 1976), Member of the Academy of Engineering Sciences of Ukraine (since 1991), Honoured Scientist of Ukraine (since 1992).

Being supervised by him the Ternopil branch of the Lviv Politechnics developed and maintained facilities, trained teaching staff, which resulted in reorganisation of the institution into the Ternopil Instrument – making Institute in 1991. Inspired by Academician O. Shabliy, the Institute was named after Ivan Pul'uj, famous Ukrainian physicist, electrical engineer, public figure and the patriot of Ukraine.

In two years the Ternopil Ivan Pulu'j State Technical University was founded, the 4<sup>th</sup> accreditation level institution, on the basis of the Instrument – making Institute, where he was elected as the first Rector. Having become more academically ambitious our University gained the membership in the European Association of Universities in 1999, and in 6 years it joined the Magna Gharta Universitatum.

During the period of 1991 – 2007 years Dr. O. Shabliy strived to facilitate the progress in educational and teaching excellence, paying special attention to physical training of students. We honour his philosophy of education: TO TEACH, TO EDUCATE, TO CULTIVATE HEALTHY LIFE STYLE as the pre-conditions to equip students with a high level of knowledge and to adjust them to a new academic culture. He sought to provide comfortable rooms, designed to accomodate the needs of students and the staff. Estate facilities comprise about 100 thousand squire meters, accomodating more than 900 computer users connected in local net and having good WF access, 85 special teaching – scientific laboratories, 33 computer classes, scientific – technical library, provided with audio-visual support and other AV services,

educational-art and sport-training complex «Politechnic», which includes concert – hall accomodating 650 people, conference – hall, canteen, versatile sport ground, gyms and 25-meter long swimming pool.

During all his career the scientist strived to facilitate and generate new knowledge and understanding of the potential for progress and to foster new research agendas. In 1978 he founded a scientific school «Facilitation of the stress-strain state of solid fractured bodies», where the problem of the solid fractured bodies mechanics, optimal manufacturing process design, heating systems design, development and design of the satellite television and communication antennae have become of paramount importance.

He fostered high – level cooperation for many years between our University and the Institute for Electric Welding named after Y.O. Paton (IEW) of the National Academy of Sciences of Ukraine paying special attention to the welding production technologies. Investigations in the development of the energy – saving technologies of the induction fusion of the structure thin elements, recovering of the weared railway wheel pairs and mathematic modeling of the stress-strain state kinetics under multiple-pass welding of the structure elements, taking into account the phase transformation, have been carried out. Nurturing academic ambitions and being promoted by IEW the department «Technologies and equipment of the welding production» has been founded, where under the supervision of Dr. Oleh M. Shabliij the Candidate's Degree Thesis and the Doctor's Degree Thesis in the field of welding have been defended.

Aiming to build bridges between science and production the Rector of our University started the Technologies Transfer Center (TTC) by pioneering what has never been tried in more than ten areas in different fields of fundamental and applied sciences, Welding Technologies Center (WTTC) in particular, of the Ternopil Ivan Pul'uj National Technical

University. Development and application of new energy-saving technologies for strengthening and recovering of weared machine parts and mechanisms for the national economy have become challenging.

Famous scientist has supervised and was the Head of more than ten International all-Ukrainian scientific symposia, conferences and working-shops, the International scientific – educational Conference, I. Pul'uj's Readings in particular, dedicated to the 150<sup>th</sup> anniversary of the famous physicist our University is named after.

Dr. Oleh M. Shabliij was the author of more than 250 edited scientific papers, 2 monographies, the owner of 25 invention patents of Ukraine, the owner of 20 Author's rights Certificates. Some results of scientific investigations are published in foreign journals, in «Automatic Welding» in particular.

A man of ideas and a man of action, he was seeking to impart his knowledge to young scientists promoting reasoning skills and training. He supervised three Doctor's Degree theses and twelve Candidate's Degree theses in the field of engineering and physical – mathematic sciences. Ten scientific – investigation production – related topics were researched under his supervision. During this period the University was ranked as one of the top Universities of Ukraine.

His scientific activity was successfully incorporated with the scientific – management and public activity: he was the Council Head of the Technologies Transfer Center of the University (2006 – 2016), Head of the Ternopil regional Fund named after Ivan Pul'uj (1997 – 2016), Head of the Ternopil Organisation of the Ukrainian Union of the scientific – engineering intellectuals (2002 – 2016), supervisor of the Ternopil scientific – coordination Council of the Western scientific center of the National Academy of Sciences of Ukraine and the Ministry of Education of Ukraine (1985 – 2000), supervisor of the

scientific working – shop on the solid body mechanics and optimisation methods, Head and a member of Academic Councils for defending Candidate’s and Doctor’s theses, Head of the educational scientific – production complex «Svitlo», Chief Editor and a member of the Editorial Board of the «Digest of the Ternopil National Technical University» (1996 – 2007).

Academician Oleh M. Shabliy was awarded by the Badge of Honour (1986), Badge for Public Service (third class, 2009). Gold medal of the American Biographic Institute of the USA (2008). He was decorated by the order «St. Sophia» (2005), «Petro Mohyla» of the Ministry of education of Ukraine (2007), Diploma of the All-Union Programs «Ukraine National Leaders» (2013) and «Fuel – energy complex of Ukraine» (2013). Cambridge International Bibliographic Center recognised him as the Person of the year in 1998 in the nomination «Science». Dr. Oleh M. Shabliy was Honourable Citizen of Ternopil (since 2003).

Dr. Oleh M. Shabliy should be paid tribute to for gaining the status of the National University. Since 2007 he has been working as the Vice – Rector (Production Cooperation Affairs) and as the Head of the department of programming and mathematic modeling of the Ternopil Ivan Pul’uj National Technical University.

Oleh Mykolayovych Shabliy is a notable person in our society. He strived to nurture academic ambitions to contribute the people of Ukraine. He has been working hard for all his life having benefited our University, our town, our country. Dr. Oleh Shabliy was open – hearted person, wise and faithful. He was not only a good leader and manager, devoted scientist, but close friend, imparting colleague and supervisor of young scientists. His philosophy of live and success was «To live – is to work. This is what makes the life of people notable».

University alumni appreciate his contribution in challenging their scientific careers and express their gratitude to a Teacher. He inspired to aim high adjusting young people to a new academic culture, educating new generation of the scientific engineering intellectuals.

In loving memory of Oleh Mykolayovych Shabliy.

*Ternopil Ivan Pul’uj National Technical  
University*

*The E.O. Paton Electric Welding Institute  
of the National Academy of Sciences of  
Ukraine*

*Edition Board of «Avtomaticeskaya  
svarka».*