

Volodymyr PANASYUK



Volodymyr Panasyuk is a well-known Ukrainian scholar in the field of mechanics and physics of materials and structural integrity, Academician of the National Academy of Sciences of Ukraine (since 1978), Doctor of Sciences (Eng.) (since 1967) and Professor (since 1968).

Prof. Panasyuk was born on February 27, 1926 in the village of Krasne (now Lublin region, Poland). In 1951 he has graduated from the Lviv State University (Faculty of Physics and Mathematics) and since that time he has been working at the Physico-Mechanical Institute of the National Academy of Sciences of Ukraine in Lviv. Since 1971 to 2014 he held the position of the Director of the Institute.

Prof. Panasyuk has made a significant contribution into formation of the basis of the theory of brittle fracture and strength of materials and he has founded Lviv School of Mechanics in this branch of science. He has conducted the original research on the stress-strain state and limiting equilibrium of elastoplastic bodies with cracks, contact problems of theory of elasticity, problems of the physicochemical mechanics of materials. He is also the author of the well-known δ_c -model which is widely used in fracture mechanics. A great part of his studies is devoted to the development of the new methods for assessment of strength and durability of engineering materials and critical structures.

Prof. Panasyuk authored more than 600 papers, including 19 monographs. Among them there is the first book in Eastern Europe on the problems of fracture (*Panasyuk V. V. Limiting Equilibrium of Brittle Solids with Cracks – Kyiv: Naukova Dumka, 1968, in Russian; – Detroit; Michigan: Manag. Inform. Ser., 1971, in English*). His monograph "Strength and Fracture of Solids with Cracks" (2002), published under auspices of ESIS, received also wide recognition. Under his personal supervising 47 PhD and 18 dissertations for degree "Doctor of Sciences" were prepared and successfully defended. Since 1978 to 2020 he was Editor-in-Chief of the International Journal "Physicochemical Mechanics of Materials" (Ukraine) and the English version of this journal publishes by "Springer" under title "Materials Science".

Prof. Panasyuk has always paid the significant attention to strengthening of the international scientific collaboration and organisation of the international conferences,

symposia and workshops on different aspects of fracture mechanics and structural integrity. He was the Chairman of the ICF 8 Organizing Committee, which was held in Kiev (1993). There he presented the ICF8 Honour Lecture and he was awarded the Diploma of the International Congress on Fracture Mechanics. He was also elected the ICF Vice-President (1993–1997).

Prof. Panasyuk was the winner of the State Prize of Ukraine in Science and Engineering (1995). He was awarded the prizes of the National Academy of Sciences of Ukraine named after the outstanding scientists of Ukraine (1974, 1994 and 2002). He has the honorary title "Doctor Honoris Causa" of Wroclaw University of Technology (Poland, 1998) and several Ukrainian National Universities.

Since 1992 to 2019 Prof. Panasyuk was the Head of Ukrainian National Group of ESIS. He is co-founder of the Polish-Ukrainian-German Summer Schools on fracture mechanics and structural integrity, which in 2002 received the status of ESIS Summer Schools on fracture mechanics in Central and Eastern Europe. His outstanding contribution in development of fracture mechanics of materials and strength of engineering structures was marked by the Griffith Medal of European Structural Integrity Society (2000).