

Dr.h.c. mult. prof. Ing. František Trebuňa, CSc.



Dr.h.c. mult. prof. Ing. František Trebuňa, CSc. (1947) was born in Spišské Hanušovce. After finishing High School in Spišská Stará Ves he entered in 1965 the Faculty of Mechanical Engineering, Technical University of Košice, where he graduated with honor in 1971 in branch Technology of Mechanical Engineering. After graduation he worked on the Department of Technical Mechanics and Elasticity as an assistant. In years 1971-1973 he was internal aspirant on the Department of Applied Mechanics under leadership of prof. Ing. Alexander Doktor. In 1978 he defended on the Faculty of Mechanical Engineering, Technical University of Košice his habilitation thesis "Application of mathematical theory of elasticity for computation of orthotropic plates and structures", branch: "Mechanics of solid and deformable bodies and environments" and was established to position associated professor.

Prof. Trebuňa became a professor in the field of applied mechanics in 1995 with inauguration lecture „Analytical and experimental assessment of strength and stiffness of supporting structures made of classical and advanced materials“.

In years 1995-1997 he was a vice-dean for research and development activities on the Faculty of Mechanical Engineering, Technical University of Košice. Since 1997 till 2003 he was for two function periods the dean of the Faculty of Mechanical Engineering, Technical University of Košice. In years 2003-2011 was prof. Trebuňa the vice-dean on FME TUKE. Since 2011 he is again the dean of FME TUKE.

In the frame of his work in the management of the faculty, prof. Trebuňa actively participated on development and propagation of machinery, which has led to appreciation of his work by number of prizes. From the last years can be mentioned The main prize on the International Fair Trade in Nitra, excellent results in competition Shell Eco-marathon and so on.

Under leadership of prof. Trebuňa, new Prototype and Innovation Center was built. The center is intended to become top-level workplace not only in Slovakia, but also in the world. At 2015 was created Institute of Automation, Mechatronics and Robotics which played important role in decision of company Minebea to establish new production and research center for automotive industry in Košice. Our Faculty competed in this matter with several universities. Minebea company has a plan to create approximately 100 jobs for researchers together with the Faculty of Mechanical Engineering, Technical University of Košice.

At 2017 the FME TUKE has gained, as one from two universities in Slovakia international accreditation in the study program Mechanical engineering. This will ensure on one side better position of students on the market and on the other side acceptance of diplomas by reputable foreign universities.

Prof. Trebuňa has devoted all his professional career to research and education of professionals in the field of mechanical engineering. Under his leadership 25 dissertation theses were defended in the study programs Applied mechanics, Mechatronics and Forensic engineering. Prof. Trebuňa had taken part on several foreign lecturers and study stays.

Prof. Trebuňa is oriented to computational methods of thin-walled structures and their experimental verification, strength and stiffness analyses of robots and manipulators, development of methods of experimental stress analysis, development of non-classic experimental procedures for deformation and stress analysis in supporting members of

mechanical as well as mechatronic systems with orientation to using optical methods, assessment of lifespan and safe operation of machines and equipment.

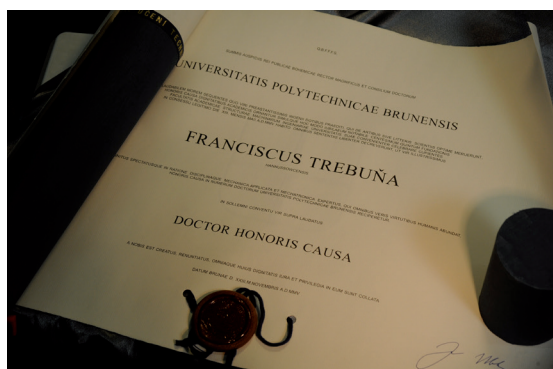
The scientific and research activity of Dr.h.c. mult. prof. Ing. František Trebuňa, CSc. was, also at the time of his study, oriented to such directions that could be evaluated as innovative also at the last century. Under his leadership several domestic as well as foreign research projects, state research tasks, important engineering projects and task resulting from practice were successfully solved. In the frame of scientific and development activities he takes a part on creation of new methods of computations and verifications, new technical solutions of machines and equipment, applications of new materials with the aim to transform new knowledge into solution of practical tasks. Very important of his work is cooperation with industry which is oriented to creation of new engineering works, solution of serious accidents and practical problems of practice in the area of mechanical engineering (U. S. Steel Košice), power supply including nuclear (JAVYS, Eustream, Slovenské elektrárne), metallurgy and mining. All methodologies that were created in the frame of research had the basic aim to realize them in solution of engineering practice. New engineering works including methodologies that were realized in practice exceeds number 300.

Prof. Trebuňa is author 14 monographs, 16 textbooks, 5 other books, 12 university textbooks and more than 350 original scientific papers published in domestic and foreign journals and conference proceedings.

Prof. Trebuňa is a member of several domestic and foreign scientific boards, member of editorial boards of scientific and professional journals. He is a chairman of faculty commission for doctoral study in the study program Applied mechanics.

The pedagogical, scientific and manager activities of prof. Trebuňa were appreciated by many important prizes. The most important are: Certificate of merit of Czechoslovak Academy of Sciences Prague (1971), Medal of Georg Agricola VŠB TU Ostrava (2002), Gold medal VUT Brno (2002), Plaque STU Bratislava (1999), Gold medal TU Košice (1997), Prize of Slovak literary fond (1986), including into monograph 2000 Outstanding Intellectuals of the 20th Century, International Biographical Centre Cambridge, England, 2001, Gold medal for Slovakia from ABI in USA, Teacher of the year 2007 from IBC Cambridge, several appreciations for the best textbooks, many domestic and foreign appraisals from scientific institutions, universities and practice. The most important ones are honorable doctorates from VUT Brno (2005), VŠB – TU Ostrava (2007) and Trečín University of AD in Trenčín (2008), the prize Honorary Doctorate of Letters (For the extraordinary contribution in the area of creation, development and publication activity in the scientific branches of applied mechanics and mechatronics), IBC Cambridge, England, 2013, The Gold Medal of Maximilian Hell, TnU AD in Trenčín, (2016). Prof. Trebuňa has been awarded also by Order of the Ľudovít Štúr II. class (2014) for outstanding merit and lifetime achievement in the field of education, science, technique as well as for excellent presentation of Slovak republic abroad. The prize was awarded in a solemn ceremony in the Knight Hall of Bratislava castle.

Professor Trebuňa is the most gifted educator. He always gives his students the best never-ending support and enthusiasm. Being his student was our greatest reward. To celebrate Professor Trebuňa's 70th birthday, we dedicated this special issue of the AMS to him. There are number articles in this issue contributed from his former students, colleagues, and friends. We are grateful to all authors who have endeavoured to bring about a refreshing novelty in this special issue.



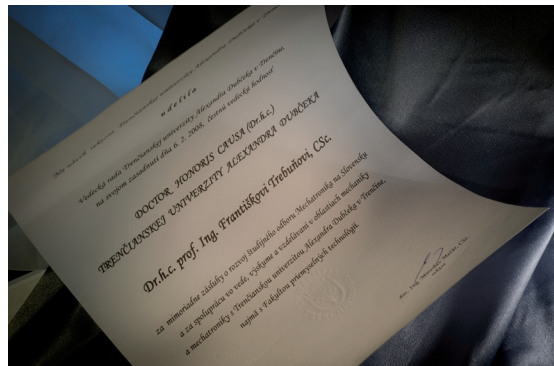
Honorary doctorate, 2005 Brno



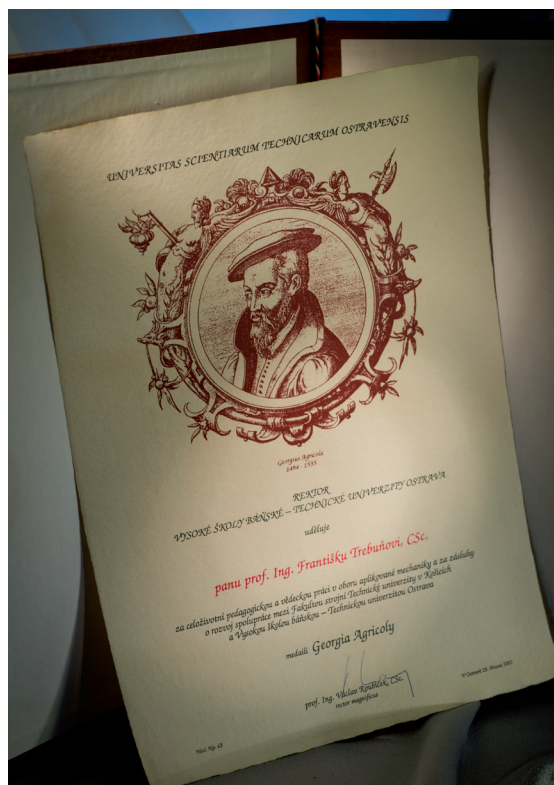
Honorary doctorate, 2007 Ostrava



Order of the Ľudovít Štúr II. Class



Honorary doctorate, 2008 TnU AD v Trenčíne



Prize Georg Agricola, VŠB TU Ostrava



Gold Medal for Slovakia 2007, American Biographical Institute, USA



International Educator of the Year 2007, International Biographical Centre, Cambridge, England



President of Slovak Republic, Ivan Gašparovič is giving the state prize Order of the Ľudovít Štúr II. Class to Dr. h.c. mult. prof. Ing. František Trebuňa, CSc.