



Prof. Dr. Katarína Monková completed her engineering studies as the top student in her class (1/267) with the Rector's Award for academic results (all exams on the first attempt with a grade of 1.00) and for her involvement in scientific and research activities during her studies. She was inaugurated in the field of Mechanical engineering, currently working as a full professor at the Technical University of Košice, Faculty of manufacturing technologies, in Slovakia. Her theoretical knowledge and extensive activities for industrial companies allow her to combine scientific and professional activities in the field of mechanical engineering and failure analysis with her areas of interest, such as additive technologies and cellular materials, design of technical devices, investigation of material properties

and simulation of the behavior of technical components.

She is a member of the Advanced Manufacturing Technologies (AMTRteam) research team - the top team in Slovakia in the field of mechanical engineering (the only woman in the team), and she is also a member of the sectoral verification and evaluation panels - for OVHP4 - Technical Information Sciences - Council for Research, Development and Innovation - at the Office of the Government of the Czech Republic.

She serves a member of recognized international scientific organizations; member, managing co-chair and chair of scientific committees at many international conferences, as well as a member of evaluation and international graduation committees. She is also a member of the editorial boards of several leading international journals, a reviewer of articles in more than 50 major journals.

During her long-term work at FMT TU Košice with a seat in Prešov, she was a responsible researcher and team member in many international and domestic projects. Currently, she is the main author of 12 monographs and 7 university scripts, the author of more than 350 publications with more than 1300 citations in the WoS and SCOPUS databases.