



Brig. Gen. Prof. Przemysław Wachulak, DSc, PhD, Eng.

Brig. Gen. Prof. Przemysław Wachulak is a professor of sciences and rector-commandant of the Military University of Technology. His works on the development of new laser-plasma sources and their applications in nanoscience and nanotechnology. He is a member of national and international scientific societies. For his works, he obtained several national and international scholarships and awards.

A graduate of the Military University of Technology, which he graduated with 1st place in 2004 at the Faculty of Electronics, in the field of electronics and optoelectronics. He also completed postgraduate studies at the Faculty of Cybernetics of the Military University of Technology in the field of European integration and international security. He started his professional military service in 2004 in the 3rd Road and Bridge Regiment in Chełmno as a platoon commander. In 2005 – 2008 he was a Ph.D. student at the Colorado State University in the United States, wherein 2008 he obtained a doctoral degree. In 2009, he began his military service at the Military University of Technology at the Institute of Optoelectronics as a senior engineer, assistant, assistant professor, associate professor, and professor. In 2013, he obtained his habilitation degree at the Faculty of Physics of the University of Warsaw. On 30th of July, 2018, the President of the Republic of Poland awarded him the title of professor of technical sciences.

On 29th November 2022 he was promoted to the rank of brigadier general by the President of the Republic of Poland.

He is an author and co-author of 1 book, 11 chapters in monographs, 114 JCR publications, 120 articles from other peer-reviewed journals, and over 330 conference abstracts. His work focuses on the development of new laser-plasma sources for the generation of extreme ultraviolet and soft X-ray radiation for applications in nanoimaging, holography, absorption spectroscopy, optical coherence tomography, or radiobiology. He has participated in many national and international scientific conferences, including over 30 invited lectures and presentations. He is a member of national and international scientific societies, incl. Polish Young Academy of the Polish Academy of Sciences, the Committee of Metrology and Scientific Apparatus of the Polish Academy of Sciences, the Committee of Electronics and Telecommunications of the Polish Academy of Sciences, the American Chemical Society ACS, the Polish Society of Synchrotron Radiation PTPS. He is also a topical editor of the Applied Optics journal from 2017. During his academic career, he was a principal investigator in 7 projects, incl. financed by the National Science Center and the National Center for Research and Development (LIDER program). He also participated in 17 other domestic, foreign, and international projects. He obtained a scholarship from the Foundation for Polish Science (2009 – 2011) and the Ministry of Science and Higher Education (2011 – 2014). Winner of many awards. For scientific and military activities he received the R&D 100 award (the USA, 2008), Young Scientist Medal (2014), Silver Medal for Merit for National Defense (2014), Medal for Merit of the Republic of Poland, 3rd class (2018), Silver Medal of the Armed Forces in the Homeland Service (2018) and the award of the Minister of National Defense (2013 and 2019).