

In Memoriam

Professor Jerzy KAPELEWSKI



1939–2015

Professor Jerzy Kapelewski – a distinguished academic teacher, specialist in the field of theoretical physics, electronics and acoustics passed away on 22 March, 2015.

Born in Warsaw on 19 May, 1939, Prof. Jerzy Kapelewski, completed a study in physics at Warsaw University in 1963. His master's thesis was distinguished with the First Award of the Rector of Warsaw University. After a short period of work at Warsaw University he was drafted for military service at Military University of Technology, where he began to work in a team of physicists headed by Prof. Sylwester Kaliski. In 1973 he defended his doctoral dissertation under the supervision of Prof. Sylwester Kaliski. He received a grant from the Polish Academy of Sciences in support of his work towards a postdoctoral degree, and in 1981 he won the First Award of the Rector of MUT for the Best Postdoctoral Dissertation of the Year. He received the title of professor in technical sciences in 1990.

While performing the research and didactic duties at the Military University of Technology, Prof.

Kapelewski occupied successive research-work posts. He was also employed as full professor (*Professor Ordinarius*) at the Institute of Electronic Materials Technology in Warsaw where he supervised his own research team.

Professor's scientific achievements include mostly lectures given in several basic and specialized subjects. He was a supervisor of 5 successfully defended doctoral dissertations as well as many master's theses. Between 1990 and 1991 he gave a series of lectures at Hokkaido University in Sapporo, Japan and at the Institute of Chemical Physics, The Soviet Union Academy of Sciences.

Prof. Kapelewski made special contribution to integrating national investigations on dynamic properties of surfaces of crystal media and their technical applications. Between 1986 and 1991, while performing the duties of deputy coordinator of a research program bearing the title "Physical properties of a condensed phase surface" and being a member of the Coordination Team for this program, he initiated several research projects which resulted in the rise of a few scien-

tific schools. Some of them are very well known in the scientific community. Being in charge of the Department of Physical Acoustics at the Military University of Technology, he was deeply involved in cooperation with the State Institute of Telecommunication, which contributed to several important implementations of subassemblies from acoustic surface waves in national radar stations. He also supervised a few programs of international cooperation under the program mentioned above.

His main scientific achievements are concerned with dynamic properties of surfaces of crystal media and their defects having complex inner structure. It is necessary to emphasize unconventional acoustic-electronic sub-assemblies or their individual elements realizing high-parameter signal processing, developed under his supervision. The last research investigations carried out by the Professor were focused on broadly understood issues of advanced electromagnetic materials.

His publications include about 200 articles (many of them published in prestigious foreign journals as well as in Journals of the Polish Academy of Sciences of international scope), papers, mostly invited papers, e.g. at the International Congress of Nano-electronics in San Francisco, 2004, a patent, and a monograph. His works have been published in many prestigious scientific journals, among others, in *International Journal of Engineering Science* (ed. Elsevier), where he was also a guest editor together with an outstanding scientist Prof. Maugin from Paris VI University) as well in publishing houses such as North-Holland, Pergamon Press, Springer Verlag, Plenum Press, and others.

For his scientific, didactic and organizational achievements Professor Kapelewski received many awards, among others the Award of the Department IV of the Polish Academy of Sciences and Awards of the Minister of Science and Higher Education, Minister of National Defense, and Awards of the Rector of the Mi-

litary University of Technology, several times. He was also conferred numerous decorations, including Commander's Cross of the Order of Polonia Restituta, Gold Cross of Merit, Silver Cross of Merit, Commission of National Education Medal and numerous service decorations.

The whole spectrum of Professor's activities is supplemented by his social and organizational activities, such as, e.g. participation in work of Scientific Boards: Scientific Board of the Faculty of Electronics, Military University of Technology and the Scientific Board of the Institute of Electronic Materials Technology. He was an organizer and co-organizer of numerous conferences and symposia relating to the physics of surface and stress fields, and their use. His organizational activities included participation in several scientific commissions and committees. He was a member of many scientific bodies, among others, Society for Interaction of Mathematics and Mechanics (Stuttgart), International Advisory Committee of Society of Interfacial Material Science (Kioto), Committee of Physics in the Polish Academy of Sciences, Polish Acoustic Society, and one of the founding members of the Polish Society of Use of Electromagnetism.

Prof. Kapelewski, as a full professor in the Faculty of Electronics, Military University of Technology (from 1991) significantly contributed to the development of the research potential. His unquestionable achievements made him a person recognizable and respected in communities of physicists and electronic specialists dealing with research on effect of media on various wave phenomena, both in acoustics and electromagnetism. In the academic community he was known for his special attention to maintaining high standards in education of students and conduct of research.

Prof. Eugeniusz Kozaczka