

Antoni Rogalski is a professor at the Institute of Applied Physics, Military University of Technology in Warsaw, Poland. During the course of his scientific career, he has made pioneering contributions in the areas of theory, design, and technology of different types of IR detectors. In 1997, he received an award from the Foundation for Polish Science (the most prestigious scientific award in Poland) for achievements in the study of ternary alloy systems for infrared detectors – mainly an alternative to HgCdTe new ternary alloy detectors such as lead salts, InAsSb, HgZnTe, and HgMnTe. He was elected as a corresponding member (2004) and next as an ordinary member (2013) of the Polish Academy of Sciences. In 2013 was also elected as a member of Central Commission for Academic Degrees and Titles.



Professor Rogalski's scientific achievements include determining the fundamental physical parameters of InAsSb, HgZnTe, HgMnTe, and lead salts; estimating the ultimate performance of ternary alloy detectors; elaborating on studies of high-quality PbSnTe, HgZnTe, and HgCdTe photodiodes operated in 3-5 μm and 8-12 μm spectral ranges; and conducting comparative studies of the performance limitation of HgCdTe photodiodes versus other types of photon detectors (especially QWIP and QDIP IR detectors).

Professor Rogalski has given about 60 invited plenary talks at international conferences. He is author and co-author of about 220 indexed scientific papers, 13 books, and 26 monographic papers (book chapters). He is a fellow of the International Society for Optical Engineering (SPIE), vice president of the Polish Optoelectronic Committee, vice president of the Electronic and Telecommunication Division at the Polish Academy of Sciences, editor-in-chief of the journal *Opto-Electronics Review*, deputy editor-in-chief of the *Bulletin of the Polish Academy of Sciences: Technical Sciences*, and a member of the editorial boards of *Journal of Infrared and Millimeter Waves*, *International Review of Physics* and *Photonics Letters of Poland*.

Professor Rogalski is an active member of the international technical community. He is a chair and co-chair, organizer and member of scientific committees of many national and international conferences on optoelectronic devices and material sciences.