



Editor-in-Chief's introduction to Opto-Electronics Review vol. 34(3), 2026

It is an honour and a privilege for me to inform the esteemed readers of this journal that the first article we are publishing in this Issue is a guest contribution by Professor Antoni Rogalski, Ph.D. D.Sc., Ordinary Member of the Polish Academy of Sciences, entitled: *Infrared detectors: My Scientific life*.

This is his personal perspective (hence the article being written in the first person) on the development of infrared detectors over the last century. It seems difficult to find anyone else in the world who could carry out such a significant analysis in a field where it plays such a vital role. Professor Antoni Rogalski is celebrating his 80th birthday this year and has been working on this subject for over 50 years, achieving a leading scientific position in the field (h-index of 54 and 56 in ISI Web of Knowledge and Scopus, respectively, based on over 15 500 citations without self-citation, as of April 2026). His leading role in this area is also confirmed by his notably high ranking in the list, which includes the top 2% of scientists worldwide based on standard citation metrics (Stanford University and Elsevier), since the list was first published in 2019. His personal achievement in this field is also confirmed by numerous seminal books on infrared detectors, such as: *Infrared Photon Detectors* (SPIE Opt. Eng. Press, Washington, 1994); *Infrared Detectors* (Gordon and Breach Science Pub., Amsterdam, 2000) (translated into Russian in 2003); *Infrared Detectors: Developments* (SPIE Opt. Eng. Press, Bellingham, 2004); *Infrared Detectors, 2nd Ed.* (CRC Press, Boca Raton, 2011) (translated into Chinese in 2014); *Infrared and Terahertz Detectors, 3rd Ed.* (CRC Press, Boca Raton, 2020) (translated into Chinese in 2023); *2D materials for Infrared and Terahertz Detectors* (CRC Press, Boca Raton, 2020).

I am firmly convinced that Professor Rogalski's work, as presented here, will provide a leading-edge perspective on the development of this field, which forms the foundation of modern photonics.

Sincerely,
Leszek R. Jaroszewicz