Name, title, and affiliation as you want them to appear on the website =

Radislav A. Potyrailo
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Biography

Radislav A. Potyrailo is a Principal Scientist at GE Research. He received an Optoelectronics degree from Kyiv Polytechnic Institute (1985) and a PhD in Analytical Chemistry from Indiana University, Bloomington, IN (1998). At GE Research Dr. Potyrailo has been directing programs on designs of physical transducers, sensing materials with multi-response mechanisms, data analytics, and system engineering of microanalytical instrumentation. His passion is to bring innovative sensing systems from laboratory feasibility studies to field validations and commercialization. Dr. Potyrailo has been serving as a technical lead on GE R&D programs transitioned to GE businesses or GE partners for commercialization. Examples include optical multi-parameter chemical sensor for GE Water, wireless gas sensors for GE Oil & Gas, multi-parameter oil sensor for GE Renewable Energy, and GE Ventures start-up company on radio-frequency sensors. Dr. Potyrailo has been serving as a Principal Investigator on programs funded by AFRL, ARPA-E, DARPA, DHS, DOE, DTRA, NIH, NIOSH, NETL, TSWG, and other US Government agencies. He is the initiator and a co-organizer of the First Gordon Research Conference on Combinatorial and High Throughput Materials Science and serves as an editor of the Springer-Nature book series “Integrated Analytical Systems”. He is the North America Regional Chair of International Society for Olfaction and Chemical Sensing and is the Chair of the Device Working Group of the MEMS and Sensors Industry Group. Dr. Potyrailo summarized most of his innovations in 150+ granted US Patents and publications (Google Scholar h-index 50+). He is a recipient of the Prism Award by SPIE/Photonics Media (2011) for the development of a handheld sensor system for industrial water, commercialized by GE Water and the AMA Innovation Award (2021) for the development of networked greenhouse gas sensors, commercialized by BHGE. He is a SPIE Fellow (2011) for achievements in fundamental breakthroughs in optical sensing and innovative analytical systems and a recent IEEE Fellow (2023) for contributions to sensor technologies for gas differentiation, interference rejection, and drift elimination, covering the whole electromagnetic spectrum of his sensors.