

Robert Rehm earned his physics diploma in 1998 and received the Ph.D. degree in physics from Albert-Ludwigs-Universität in Freiburg, Germany, in 2002. His general research interest is on infrared detection devices based on III-V compound semiconductor heterostructures. He joined the Fraunhofer-Institute for Applied Solid State Physics (IAF) in Freiburg, Germany, in 1996 working on the device design, electro-optical characterization and physical modelling of quantum-well infrared photodetectors (QWIPs). In 2002, he took responsibility for the development of manufacturing processes for IAF's type-II InAs/GaSb superlattice detector technology. Since 2006, Dr. Rehm holds the position of deputy manager for the photodetector business unit at Fraunhofer IAF. For his work on innovative dual-color IR-cameras he was awarded the »Landesforschungspreis Baden-Württemberg 2006«, which is the most prestigious German federal state science award. Dr. Rehm is alumnus of Fraunhofer »Vintage Class«, an interdisciplinary group of 18 selected scientists and executives from Fraunhofer. He presently serves as group manager for IR-detector design and characterization and manages several research projects related to Antimony-based type-II superlattice IR-detectors. Dr. Rehm has given more than 50 talks at international conferences and is author of more than 70 scientific and technical publications on III/V-based IR-detectors.