Andrzej Krol received his PhD in solid state physics from Warsaw University. Subsequently, he joined faculty at Physics Department at SUNY Buffalo. He then entered the field of medical imaging and currently is Professor of Radiology at SUNY Upstate Medical University. His research is focused on molecular imaging devices (PET and SPECT) development, molecular images reconstruction for improved diagnostic imaging performance in PET, and theranostic application in oncology. He has a broad background in medical and imaging physics (both hardware and software), with specific training, expertise, and experience in development of new gamma-ray detectors for PET imaging (US Patent #606,245 BI), development, implementation and testing of advanced tomographic reconstruction methods in PET and SPECT including PAPA algorithm (US Patent #9460494). He has been involved in creation of novel gamma-ray detector for PET and soft x-ray detector, and in development of phase contrast micro-CT and ultrafast laser-based x-ray sources for angiography and mammography (US patent #6,980,625)