

Short Biography

Prof. Habib Zaidi, B.Eng, M.Sc, Ph.D, PD, FIEEE

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Professor Habib Zaidi is Chief physicist and head of the PET Instrumentation & Neuroimaging Laboratory at Geneva University Hospital and faculty member at the medical school of Geneva University. He is also a Professor of Medical Physics at the University of Groningen (Netherlands), Adjunct Professor of Medical Physics and Molecular Imaging at the University of Southern Denmark, and visiting Professor at IAS/University Cergy-Pontoise (France). He is actively involved in developing imaging solutions for cutting-edge interdisciplinary biomedical research and clinical diagnosis in addition to lecturing undergraduate and postgraduate courses on medical physics and medical imaging. His research is supported by the Swiss National Foundation, private foundations and industry (Total 6.2M US\$) and centres on hybrid imaging instrumentation (PET/CT and PET/MRI), modelling medical imaging systems using the Monte Carlo method, development of computational anatomical models and radiation dosimetry, image correction, reconstruction, quantification and kinetic modelling techniques in emission tomography, and more recently on novel design of dedicated PET and PET/MRI scanners. He was guest editor for 10 special issues of peer-reviewed journals and serves on the editorial board of leading journals in medical physics and medical imaging. He has been elevated to the grade of IEEE fellow and was elected liaison representative of the *International Organization for Medical Physics (IOMP)* to the World Health Organization (WHO) in addition to being affiliated to several International medical physics and nuclear medicine organisations. He is developer of physics web-based instructional modules for the RSNA and Editor of IPEM's Nuclear Medicine web-based instructional modules. His academic accomplishments in the area of quantitative PET imaging have been well recognized by his peers and by the medical imaging community at large since he is a recipient of many awards and distinctions among which the prestigious 2003 *Young Investigator Medical Imaging Science Award* given by the *Nuclear Medical and Imaging Sciences Technical Committee of the IEEE*, the 2004 *Mark Tetalman Memorial Award* given by the *Society of Nuclear Medicine*, the 2007 *Young Scientist Prize in Biological Physics* given by the *International Union of Pure and Applied Physics (IUPAP)*, the prestigious (100'000\$) 2010 *Kuwait Prize of Applied sciences* (known as the *Middle Eastern Nobel Prize*) given by the *Kuwait Foundation for the Advancement of Sciences (KFAS)* for "outstanding accomplishments in Biomedical technology", the 2013 *John S. Laughlin Young Scientist Award* given by the *American Association of Physicists in Medicine (AAPM)*, the 2013 *Vikram Sarabhai Oration Award* given by the *Society of Nuclear Medicine, India (SNMI)*, the 2015 *Sir Godfrey Hounsfield Award* given by the *British Institute of Radiology (BIR)* and the 2017 *IBA-Europhysics Prize* given by the *European Physical Society (EPS)*. Prof. Zaidi has been an invited speaker of over 150 keynote lectures and talks at an International level, has authored over 245 peer-reviewed articles in prominent journals and is the editor of four textbooks.