



Speaker Biography

Prof. Murukeshan Vadakke Matham

Dr. Murukeshan Vadakke Matham carried out his Ph. D at the Indian Institute of Technology, Madras in and at the University of Oldenburg, Germany under the DAAD Fellowship and was awarded Ph. D in 1997 from IIT Madras(INDIA). Since 1997 he is with Nanyang Technological University (NTU), Singapore as a faculty. He has 25+ years of research experience, and 20 plus years of teaching experience. He is a Life member of Optical Society of India (OSI), and regular member of Optical Society of America (OSA) and Senior Member of SPIE. He is also a Fellow of the Institute of Physics, UK.

He has given more than 25 invited, 12 plenary/Keynote talks and over 5 pedagogical lectures at major Conferences in the field of Biomedical Optics, Nanoscale Optics and Applied Optics for metrology. He has given many visiting lectures at optics chapters of SPIE through VLP programmes. Further, he is very actively engaging and coordinating optics outreach programs with local schools in Singapore and around through the Center for Optical and Laser Engineering (COLE). He has given many short term courses to engineers/practitioners in the industries and academia to update them about the latest in optical engineering through continuing education programs. He is currently serving as the Associate Editor of Optical Engineering and International journal of Optomechatronics (IJO). He is also in the member, editorial team of Scientific Reports (Nature publishing group journal). He is also a regular reviewer in leading Nature journals, optics journals that includes many SPIE and OSA journals.

He has authored/co-authored over 170 international journal papers (which include five papers published in nature publication group journals, top impact biomedical and nanoscale optics journals), over 140 international conference proceedings papers/presentations and 6 book chapters (three on biomedical Optics and three on nanoscale optics and fabrication). He is also inventor/Co-inventor of 14 patents (Filed /Awarded) and 11 innovation disclosures He is serving as the Director of Centre for Optical & Laser Engineering (COLE), and as the deputy director of The Photonics Institute(TPI), NTU Singapore.