

Short CV of

Dr. Gananath Dash, Distinguished Lecturer of IEEE EDS

Prof. Gananath Dash is superannuated as Professor and Head of the Electron Devices Group from Sambalpur University (Odisha) India in Nov. 2015. He obtained his Ph.D. in 1992 in the area of microwave and millimetre wave devices. Later he developed interest in such diverse fields as DSP for Bioinformatics, medical data mining and Graphene Based Electron Devices. He has more than 37 years of teaching and research experience. He has authored/co-authored 191 research papers in International/National Journals and Conference proceedings. He has supervised 10 Ph. D. and 37 M. Phil. Students with some 6 students on the pipelines for their Ph.D. degree. Dr. Dash has made significant contributions in the development of a simulation method to assess the effect of tunnelling and diffusion current on IMPATT (IMPact Avalanche Transit Time) diode, new design approach for MITATT (MIXed Tunnelling Avalanche Transit Time) and TUNNETT (Tunnelling Transit Time) mode devices, formulation of a noise theory in MITATT diode using computer simulation method and development of a noise theory analytically applicable to mixed mode operation in IMPATT diode. Dr. Dash is not only a Fellow of the Institution of Engineering and Technology (IET) – UK but also a Fellow Assessor of the same Institution. Besides, he is also a Fellow of the Institution of Electronics and Telecommunication Engineers (IETE), India, a Senior Member of the Institution of Electrical and Electronics Engineers- USA (IEEE), and Members of various IEEE societies. He is recognized as a Distinguished Lecturer of the IEEE Electron Devices Society (EDS). He has reviewed extensively for IEEE Transaction on Electron Devices (USA), International Journal of Electronics (U.K.), Circuits, Systems and Signal Processing (Springer), Journal of Computational Electronics (Springer), Journal of Semiconductors (IOP-UK), and Applied Physics – A (Germany). In addition, he has edited a volume of Indian Journal of Physics (Vol. 77A, No. 2, March 2003) and a volume of International Journal of Material Science (ISSN 0973-4589), (Volume 5, Number 5, 2010) as Guest Editor. Dr. Dash has delivered invited talks on more than 20 occasions at different national and international forums and has chaired sessions at several international conferences in India and abroad. Dr. Dash is writing a book titled “Foundations of Electronics Devices and Circuits” which is due to be published by Universities Press, Hyderabad with the first edition likely to be coming out in April 2017.