Dr. M. A. Atmanand,

Director of National Institute of Ocean Technology (NIOT)

Dr. M. A. Atmanand has done pioneering work in the area of deep sea technologies in India. An instrumentation and control engineer by profession, he took Master’s and Doctorate degrees from Indian Institute of Technology, Madras. He led a team of engineers for the design and development of underwater crawler for deep sea operation. The team developed the in-situ soil tester, which was tested at a depth of 5200 m in the Central Indian Ocean Basin. It was under his supervision that the design of Electrical, Instrumentation and Control system of the India’s first Remotely Operable Vehicle was completed. This was later tested at a depth of 5289 m under water. He has also guided various indigenisation programmes for ocean observation and under water systems. His areas of interest include development of underwater vehicles with specific reference to their control; development of components for deep sea applications; and development of test protocols for testing of deep sea devices. He received the IEEE- Oceanic Engineering presidential Award in 2016, National Geoscience award 2010 from Ministry of Mines and the International Society for Offshore and Polar Engineers (ISOPE) Ocean Mining Symposium Award - 2009. He is Associate Editor of IEEE Journal of Oceanic Engineering. He has widely travelled in capacities like technology transfer, as part of delegations etc. to various countries. He received United Nations Fellowship in 1985 – 86 and is the founder Chair of IEEE Oceanic Engineering Society in India. He has served IEEE Madras section in various capacities and he is the current Chair. Dr Atmanand has presented and published more than 100 papers in international journals, international conferences, book chapters, national conference and others.