

Biography of Dr. Morinobu Endo

Professor Morinobu Endo studied electrical engineering at Shinshu University in Nagano, Japan, and obtained Ph.D. in Engineering in 1978 from Nagoya University. In his doctor thesis, he developed the synthesis method of carbon nanotubes, and showed a tubular structure of carbon for the first time in 1976. In 1990, he became a professor of the Department of Electrical Engineering, Shinshu University. His present posts are a Distinguished Professor of Shinshu University, the Director of Endo Special Laboratory at The Institute of Carbon Science and Technology and Research Leader for Global Aqua Innovation Center, Shinshu University. He has published over 500 papers and given numbers of prizes within Japan and overseas, such as Charles E. Pettinos Award from American Carbon Society in 2001, Medal of Achievement in Carbon Science and Technology from American Carbon Society in 2004, Science and Technology Prize for Contribution to Intellectual Cluster from The Ministry of Education, Culture, Sports, in 2005, Medal with Purple Ribbon from Japanese government in 2008, International Ceramics Prize 2012 from World Academy of Ceramics, NANOSMAT Prize in 2012 and so on. He has done over 70 plenary, keynote and invited lectures overseas and published over 580 papers. Citation number is 18,600 (Web of Science, April 2017)

His current interests are science and technology of nanocarbons such as carbon nanotubes, graphene and the development of high-performance energy storage devices (lithium ion battery, electric double layer capacitor and fuel cell) based on the advanced “nanocarbons”. He has been studying also on multifunctional composites of the nanocarbons for wide range of applications as the robust reverse osmosis membrane to clean water and seawater desalination. He has also contributed for the research on the evaluation of carbon nanotube toxicity and safety. From “the design safe nano” concept, he has been studying on the safer nanostructure for carbon nanotubes in order to promote “responsible production and uses”.

He has contributed for mass production of carbon nanotubes and their practical applications for composites with plastics and with rubber, lithium ion battery. He has been collaborating with many companies such as automotive, chemical, electronics, food industries and general trading company.