Obituary

Prof Jyotirmay Majumder
(July 9, 1951 -April 10, 2021)

Prof Jyotirmay Majumder, a Foreign Fellow of INAE breathed his last on Saturday (April 10th, 2021) afternoon. After graduating from the then B. E. College under Calcutta University, he went to Imperial College, London for higher study. He got his diploma (MS) and Ph.D. in Process Metallurgy in 1978. After his graduation from Imperial College, he returned to India and joined BARC as Pool Officer. However, he did not stay long at BARC and decided to pursue his interest in academics and joined University of Illinois at Urbana-Champaign as a faculty.

Professor Jyoti Mazumder had a very distinguished career. He was the Robert H. Lurie Professor of Engineering and Director of Center for Laser Aided Intelligent Manufacturing at the University of Michigan. He was a creative inventor, scholar and educator, prolific author, and scientist. He had a special zeal in teaching and research. He leaves behind a long history of excellence. He was an elected member of the USA National Academy of Engineering and foreign fellow of the Indian National Academy of Engineering. His career spanning 41 years (16 years at University of Illinois, Urbana-Champaign and 25 years at University Michigan, Ann Arbor) was extraordinary. He has been a world-renowned scientist, and published 400 research papers in reputed international journals, co-authored books on Laser Chemical Vapor Deposition and Laser Materials Processing and edited/co-edited 10 books. He was credited with 25 patents. He was acknowledged expert in the field of Additive Manufacturing. His directed basic research work led to the commercialization of Direct Metal Deposition (DMD) technology and recently developed *in-situ* sensors for 3-D printing and welding that have the capability to detect defects, composition, and phase transformations.

Other than being recognized by his Alma Mater and Academies of Engineering from USA and India for his academic excellence, he received several awards and honours for his outstanding research work that include, Schawlow Award for seminal contribution to Laser application research from Laser Institute of America in 2003, William T Ennor Award for manufacturing from ASME in 2006, Adams Memorial Membership award from American Welding Society in 2007, Thomas A Edison Patent Award from ASME in 2010 for inventing First closed loop Direct Metal Deposition system, which significantly enhances some aspect of Mechanical Engineering, Distinguished University Innovator Award in 2012 from the University of Michigan. He was awarded as Manufacturing Engineer of the Year (1986) from Society of Manufacturing Engineers, University Scholar (1985) and Xerox (1987) from University of Illinois. He is also Fellow of American Society of Mechanical Engineers (ASME), American Society of Metals (ASM), Fellow of International Academy of Photonics and Laser Engineering (IAPLE) and Laser Institute of America (LIA) where he was President (2000).

May God Bless his Soul to Rest in Peace