

BIOGRAPHICAL SKETCH OF SIDDHARTHA MUKHOPADHYAY

Siddhartha Mukhopadhyay received his B.Tech. (Hons.), M.Tech. and Ph.D, all from IIT Kharagpur, in 1985, 1987 and 1991 respectively. He joined the Department of Electrical Engineering, I.I.T Kharagpur in 1990. Currently he is a Professor in the Department of Electrical Engg. and the Steel Technology Centre as well as the Dean of Alumni Affairs and International Relations. He was the Professor-In-Charge of the Centre for Railway Research (CRR: <http://www.crr.iitkgp.ernet.in/crr/>) during 2010-2014 at IIT Kharagpur. His current research interests are in CAD and Verification of AMS circuits and systems, Integrated Vehicle Health Management, Tracking and Guidance, Industrial Automation and Cyber-Physical Systems.

He has experience in real-time software, industrial instrumentation, communication and control systems including PLC and SCADA systems, mixed signal hardware/software system specification, design and testing through MIL/SIL/PIL/HIL Simulation, Real-time systems based on micro-processors, DSPs, FPGAs and their application programming.

He has co-authored about 200 technical papers in national and international journals and conferences, a textbook on Industrial Instrumentation, Control and Automation, an Edited Volume entitled "*Measurement and Instrumentation: Trends and Applications*". He has also recorded about 70 hrs of video lectures under NPTEL and also a web-course on "*Industrial Automation and Control*". Recently he has conducted a course on the "*Train Ten Thousand Teachers Programme*" of NMEICT, GoI.

He has executed several consulting and research projects in the above areas sponsored by government research funding agencies, such as DRDO, ISRO, DIT, Ministry of Power and industry including SAIL, General Motors, General Electric, Freescale Semiconductor, Synopsys Corporation and Texas Instruments. He serves on Review Committees at DRDO labs. He has received the Young Engineers' Award in 1999 from the Indian National Academy of Engineering, the Young Scientist Medal in 1996 from the Indian National Science Academy and the UGC Young Teachers' Career Award in 1993.

For more details one may refer to: <http://www.facweb.iitkgp.ernet.in/~smukh/>