Short Biography of Abhishek Chakraborty

Abhishek Chakraborty is currently working as Senior Project Fellow at the Department of Avionics, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, India, where his primary responsibilities include research in applications of complex network approaches in the design of an efficient integrated enterprise network security system.

Chakraborty completed PhD in 2018 from IIST, where he focused on understanding the evolution of finite sized complex networks and applying the observations to design efficient communication and transportation networks. He received his BTech in Electronics and Communication Engineering (ECE) from Maulana Abul Kalam Azad University of Technology (formerly West Bengal University of Technology), West Bengal, India and ME in ECE from Birla Institute of Technology, Mesra, Ranchi, India, in 2007 and 2012, respectively. He worked as a Programmer Analyst with Cognizant Inc., Kolkata, India from 2007 to 2009. During 2012–2013, he served as the IEEE Student Branch Chair at IIST.

He recently co-authored one textbook: *Complex Networks: A Networking and Signal Processing Perspective* (Prentice Hall, 2018). Apart from that, one of his recent co-authored publications "Graph Fourier Transform Based on Directed Laplacian" was selected for the Springer Best Student Paper award at the 11th International Conference on Signal Processing and Communications (SPCOM) 2016, Bangalore, India. His current research interests include network science, complex networks, wireless networks, wireless mesh networks, wireless sensor networks, wireless communications, and signal processing over networks. He can be reached at `abhishek2003slg@ieee.org`.