

Short Biography of Abhishek Chakraborty

Abhishek Chakraborty is currently working as Institute Post Doctoral Fellow in the Department of Computer Science and Engineering at Indian Institute of Technology Madras, India, where his primary responsibilities include applying the concept of complex network analysis to develop novel architecture and protocol solutions to enhance the capacity of multi-hop wireless networks. Prior to that, he was Senior Project Fellow at the Department of Avionics, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, India, where he investigated on the development of efficient integrated enterprise network security systems.

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.