

# SUBHRENDU CHATTOPADHYAY

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## Current Position

Ph.D. Research Scholar (From July,2014) Department of Computer Science and Engineering  
Indian Institute of Technology, Guwahati

## Research Area

My research interests include Software Defined Networking, FOG Computing, Next Generation Wireless Networks, Distributed Algorithms and Performance Modeling of Network and Communication System. I am currently working under the supervision of **Prof. Sukumar Nandi**

## Academic Qualification

**Post Graduation:** Master of Technology in Dept. of Computer Science and Engineering with **CGPA: 8.81/10** from Indian Institute of Technology, Guwahati (June 2012 - July 2014)

**Graduation:**Bachelor of Technology in Computer Science and Engineering with **CGPA: 8.04/10** from B.P Poddar Institute of Management and Technology, WestBengal University of Technology (July 2006 - June 2010)

**Higher Secondary (10+2):** with **77.5%** from Beldanga C.R.G.S High School, under West Bengal Council of Higher Secondary Examination (May, 2006)

**Secondary (10):** Madhyamik with **81.5%** from Sargachhi Ramakarishna Mission High School, under West Bengal Board of Secondary Education (April, 2003)

## Teaching Assistance

1. **Teaching Assistant** in IIT, Guwahati For Operating Systems (CS341) (2018 Monsoon)
2. **Teaching Assistant** in IIT, Guwahati For Network Lab (CS343) (2016 Monsoon)
3. **Teaching Assistant** in IIT, Guwahati For Wireless Networks (CS551) (2015 Monsoon, 2017 Monsoon)
4. **Teaching Assistant** in IIT, Guwahati For Systems Lab (CS558) (2014 Winter,2015 Winter,2016 Winter,2018 Winter)
5. **Teaching Assistant** in IIT, Guwahati For Programming Lab (CS513) (2013 Monsoon, 2014 Monsoon)
6. **Teaching Assistant** in IIT, Guwahati For Computing Laboratory (CS110) (2013 Winter)
7. **Teaching Assistant** in IIT, Guwahati For Discrete Mathematics (CS202) (2012 Monsoon)

## Professional Experience

**Automation Test Engineer:** Programmer Analyst Trainee in Cognizant Technology Solution India Pvt. Ltd. (July 2010 - July 2011)

**Professional Certification:** LOMA 280 certified with 99.2%

## Voluntary Services

1. Conference Reviewer: IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS) 2014 - 2018.
2. Conference Reviewer: IEEE International Conference on Communications (ICC) 2017
3. Conference Reviewer: IEEE National Conference on Communication (NCC) 2017.

## List of Publication

1. Pranav Kumar Singh, **Subhrendu Chattopadhyay**, Pradeepkumar Gajendra Bhale and Sukumar Nandi, **“Fast and Secure Handoffs for V2I communication in Smart City Wi-Fi Deployment”** in the Proceedings of the Fourteenth International Conference on Distributed Computing and Internet Technology (ICDCIT 2018), Bhubaneswar, Odisha, India, January 11-13, 2018.
2. **Subhrendu Chattopadhyay**, Sukumar Nandi, Samar Shailendra, and Sandip Chakraborty, **“Poster: Primary Path Effect in Multi-Path TCP: How Serious Is It for Deployment Consideration?”** in the Proceedings of the Eighteenth ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2017), Chennai, India, July 10-14, 2017.
3. **Subhrendu Chattopadhyay**, Niladri Sett, Sukumar Nandi, and Sandip Chakraborty, **“Flipper: Fault-Tolerant Distributed Network Management and Control”** in Proceedings of the Fifteenth IFIP/IEEE International Symposium on Integrated Network Management (IM 2017), Lisbon, Portugal, May 8-12, 2017.
4. Niladri Sett, **Subhrendu Chattopadhyay**, Sanasam Ranbir Singh, and Sukumar Nandi, **“A time agnostic method for predicting dull nodes and links in evolving networks for data cleaning”** IEEE/WIC/ACM International Conference on Web Intelligence (WI 2016), Omaha, Nebraska, USA, October 13-16, 2016.
5. **Subhrendu Chattopadhyay**, Sandip Chakraborty, Sukumar Nandi, **“Leveraging the Trade-off Between Spatial Reuse and Channel Contention in Wireless Mesh Networks”** in the Proceedings of the Eighth International Conference on COMMunication System & NETWORKS (COMSNET 2016) , Bangalore, India, January 5-9, 2016 .
6. Sandip Chakraborty, **Subhrendu Chattopadhyay**, **“ES2: Managing Link Level Parameters for Elevating Data Rate and Stability in High Throughput WLAN”** in the Proceedings of the Eighth International Conference on COMMunication System & NETWORKS (COMSNET 2016) , Bangalore, India, January 5-9, 2016 (**Best paper Award**).
7. Sandip Chakraborty, Sukumar Nandi, **Subhrendu Chattopadhyay**, **“Alleviating Hidden and Exposed Nodes in High-Throughput Wireless Mesh Networks”** in IEEE Transactions on Wireless Communications, Volume 15, Issue 2, Feb 2016, Pages 928-937.
8. Sushanta Karmakar, **Subhrendu Chattopadhyay**, **“A Trigger Counting Mechanism for Ring Topology”** in the Proceedings of the 37th Australasian Computer Science Conference (ACSC 2014) , Auckland, New Zealand, January 20-23, 2014
9. Sandip Chakraborty, **Subhrendu Chattopadhyay**, Suchetana Chakraborty, Sukumar Nandi, **“Defending Concealedness in IEEE 802.11n”** in the Proceedings of the Sixth International Conference on COMMunication System & NETWORKS (COMSNET 2014) , Bangalore, India, January 7-10, 2014.
10. Sandip Chakraborty, Sukumar Nandi, **Subhrendu Chattopadhyay**, **“Surpassing Flow Fairness in a Mesh Network: How to Ensure Equity among End Users?”** in the Proceedings of the Seventh IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS 2013), Chennai, India, December 15-18, 2013 (**Best paper Award**)