

ALAKESH KALITA

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EDUCATION

Indian Institute of Technology Guwahati, India <i>Pursuing Ph.D., Internet of Things</i>	<i>January 2018– Till</i>
Assam Central University, India <i>Master of Technology, Computer Science and Engineering</i>	<i>July 2014 - May 2016</i>
Assam Don Bosco University, India <i>Bachelor of Technology, Computer Science and Engineering</i>	<i>July 2008 - June 2012</i>

WORK EXPERIENCE

Indian Institute of Technology Guwahati, India <i>Research Scholar</i>	<i>January 2018 - Till</i>
Indian Institute of Information Technology Guwahati, India <i>Research Scholar & Junior Research Fellow</i>	<i>July 2017 - December 2017</i>
North-Eastern Hill University, Shillong, India <i>Project Scientist</i>	<i>August 2016 - June 2017</i>
Shriram Transport Finance Company Ltd. <i>Management Trainee</i>	<i>September 2012 - October 2013</i>

TEACHING ASSISTANTSHIP

Indian Institute of Technology Guwahati, India <ul style="list-style-type: none">CS101: Introduction to Computing Lab (C Programming), January - July, 2018CS343: Data Communication, July - December, 2018CS348: Computer Networks, January - July, 2019, 2020CS578: Internet of Things, July - December, 2019	<i>2018 - Till</i>
Assam Central University, India <ul style="list-style-type: none">C Programming Lab	<i>2015 - 2016</i>

PUBLICATIONS

Journals

- A. Kalita** and M. Khatua, "Channel Condition Based Dynamic Beacon Interval for Faster Formation of 6TiSCH Network," in **IEEE Transaction on Mobile Computing**, **IF-4.47 (Accepted)**
- A. Kalita** and M. Khatua, "Opportunistic Resource Allocation for Faster Formation of 6TiSCH Network," in **ACM Transaction on Internet of Things**, **(Communicated)**
- A. Kalita** and M. Khatua, "TACTIC: Autonomous Allocation and Scheduling of Minimal Cell in 6TiSCH Network," in **IEEE Internet of Things Journal**, **IF-9.58 (Communicated)**

Conferences

- A. Kalita** and M. Khatua, "Opportunistic Priority Alternation Scheme for Faster Formation of 6TiSCH Network," in 21st International Conference on Distributed Computing and Networking (ICDCN), Jan 2020, pp. 1-5
- A. Kalita** and M. Khatua, "Faster Joining in 6TiSCH Network using Dynamic Beacon Interval," in 11th International Conference on Communication Systems Networks (COMSNETS), Jan 2019, pp. 454-457

- **A. Kalita**, N. Ahmed, H. Rahman, and M. I. Hussain, “A QoS-aware mac protocol for large-scale networks in internet of things,” in 2017 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Dec 2017, pp. 1–6
- **A. Kalita**, K. Ray, A. Biswas, and M. A. Hussain, “A topology for network-on-chip,” in 2016 International Conference on Information Communication and Embedded Systems (ICICES), Feb 2016, pp. 1–7.
- K. Ray, **A. Kalita**, A. Biswas, and M. A. Hussain, “A multipath networkon-chip topology,” in 2016 International Conference on Information Communication and Embedded Systems (ICICES), Feb 2016, pp. 1–7.
- A. Biswas, M. A. Hussain, and **A. Kalita**, “An improved congestion free modified fat tree network,” in 2016 International Conference on Signal Processing, Communication, Power and Embedded System (SCOPEs), Oct 2016, pp. 759-763
- **A. Kalita**, A. Biswas, Md. Anwar Hussain, “A Multipath Fault Tolerant Topology for Network-On-Chip,” accepted in Springer, International Conference on Computing and Communication Systems 2016 (I3CS2016)-2016.(**Withdrawn**)

WORKSHOP & TRAINING

- An active volunteer of in the organizing committee of the 3rd ISEA International Conference on Security and Privacy (ISEA-ISAP 2020) in IIT Guwahati from 27 Feb - 1 Mar 2020
- An active member of organizing committee in two days workshop on “Internet of Things: It’s Inside Out” at NEHU, Shillong, Meghalaya from 12 May - 13 May, 2017
- Faculty Development Programme (FDP) in “Cloud Computing with AWS” in association with IIIT Guwahati , oraganized by E&ICT Academy at IIIT Guwahati from 05 Dec - 10 Dec, 2016
- Two days workshop on “Internet of Things: A Gateway to Smart and Intelligent Future” at NIT Meghalaya, organized by E&ICT Academy in 2016
- Fifteen days Summer Training on Networking at IOCL, Bongaigaon in 2011

ACHIEVEMENTS & AWARDS

- Qualified NET’2019 with 98.9 percentile
- Received travel grant to attend COMSNETS’2019 conference from the conference organizer
- MHRD scholarship for Ph.D. (2018-till)
- Bagged second prize in Regional Innovators Conclave conducted by Government of Meghalaya for the “Smart Lighting Model”, Meghalaya, India 2017
- Qualified GATE’2017
- TEQIP-II scholarship during M-Tech (2014-2016)
- Bagged first prize in line follower robotics competition, was held in Assam University, India 2016

TECHNICAL SKILLS

Technical Skill:	Testbed setup
Programming:	C, C++
Documentation language:	LaTeX, Microsoft Word
Databases:	MySQL
Software & Tools:	Operating System: Windows, Linux
	Network Simulator: Cooja, OMNeT++, NS-3
	IDE: NetBeans, Arduino, MATLAB, VB

PROFESSIONAL MEMBERSHIP

- ACM student membership since November 2019 (ID: 9926691)

Date: 12/04/2020
Place: IIT Guwahati

A handwritten signature in blue ink, appearing to read 'Alaksh Kalita', is positioned above the 'Signature' label.

Signature