

Ajay Badita

CONTACT INFORMATION	ECE, Indian Institute of Science ajaykumar.badita@gmail.com	ajaybadita@iisc.ac.in www.ece.iisc.ac.in/~ajaybadita
RESEARCH INTERESTS	Distributed Systems and Networks, Performance Modeling and Analysis, Queueing Theory.	
EDUCATION	Ph.D., Indian Institute of Science, Bengaluru, India. Department of Electrical and Communication Engineering ◊ Advisor: Parimal Parag	08/2017-present
	M. Tech., National Institute of Technology Rourkela Department of Electronics and Communication Engineering ◊ Dissertation: “ <i>Design and Analysis of TEM Horn Antenna for GPR Applications</i> ” ◊ Advisor: Subrata Maiti	07/2013-06/2015
	B. Tech., Sri Sivani College of Engineering (Affiliated to JNTU Kakinada), Srikakulam, India. Department of Electronics and Communication Engineering	07/2007-06/2011
ACADEMIC EXPERIENCE	Research Assistant, IIT Kanpur Department of Electrical Engineering	12/2015-07/2017
HONORS & AWARDS	◊ Qualcomm Innovation Fellowship (QINF) India finalists, 2018. ◊ All India rank 1594 out of 2,56,135 (99.377 percentile) in ECE stream in Graduate Aptitude Test for Engineering (GATE), India, 2013.	
PUBLICATIONS	Peer-Reviewed Journal Papers [J2] A. Badita, P. Parag, and V. Aggarwal. Optimal Server Selection for Straggler Mitigation. <i>IEEE/ACM Transactions on Networking</i> , Apr 2020. [J1] A. Badita, P. Parag, and J.-F. Chamberland. Latency analysis for distributed coded storage systems. <i>IEEE Transactions on Information Theory</i> , Aug 2019. Peer-Reviewed Conference Papers [C1] A. Badita, P. Parag, and V. Aggarwal. Sequential addition of coded tasks for straggler mitigation. <i>IEEE International Conference on Computer Communications (INFOCOM)</i> , Jul 2020.	

TEACHING
EXPERIENCE

Indian Institute of Science, Bengaluru

Teaching Assistant

- ◇ E2 204: Stochastic Processes and Queueing Theory Spring 2020
- ◇ E2 204: Stochastic Processes and Queueing Theory Spring 2019

GRADUATE
COURSE WORK

Probability Theory and Stochastic Processes, Queuing Theory, Information Theory, Channel Coding, Wireless Communication, Real Analysis, Topology, Communication Networks, Detection and Estimation, Digital Communications.

COMPUTER
PROFICIENCY

Programming Languages	Python, C, C++, Java
Platforms	LINUX, MacOS, Windows
Softwares	\LaTeX
Scripting	MATLAB, AWK, Unix Shell

MEMBERSHIPS

IEEE, Information Theory Society, Communications Society, Signal Processing Society.