

# ABISHEK SANKARARAMAN

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INTERESTS	Machine Learning, Multi-Agent Systems, Random Graphs and Social Networks, Randomized Algorithms, Distributed Algorithms	
EDUCATION	<b>The University of Texas at Austin</b>	
	<i>Ph.D. in Electrical and Computer Engineering</i>	Sep. 2013 - Present
	• Advisor: <a href="#">François Baccelli</a>	
	<b>Indian Institute of Technology, Madras</b>	
	<i>B.Tech in Electrical Engineering</i>	
	<i>M.Tech in Communication Systems and Signal Processing</i>	
	<i>Minor in Mathematics</i>	Aug 2008 - May 2013
	• Graduated highest GPA in the Dual Degree program.	
WORK EXPERIENCE	<b>Wireless Networking and Communications Group (WNCG), UT Austin</b>	Austin, TX
	Graduate Research Assistant. Advisor: <a href="#">François Baccelli</a>	Jan 2014-Present
	<b>Simons Center for Network Mathematics</b>	Austin, TX
	Graduate Research Assistant. Advisor: <a href="#">François Baccelli</a>	Jan 2014-Present
	<b>Huawei Research Labs</b>	Santa Clara, CA
	Data Science Intern. Manager: <a href="#">Hui Zang</a>	May - Aug, 2015
PUBLICATIONS	<i>Interference Queuing Networks on Grids</i>	
	A. Sankararaman, François Baccelli and Sergey Foss	
	In Annals of Applied Probability ( <i>Accepted</i> ).	
	<i>Community Detection on Euclidean Random Graphs</i>	
	A.Sankararaman, Emmanuel Abbe and François Baccelli	
	In ACM-SIAM Symposium on Discrete Algorithms (SODA), 2018.	
	Extended Abstract in Allerton, 2017.	
	<i>Spatial Birth-Death Wireless Networks</i>	
	A.Sankararaman and François Baccelli	
	In IEEE Transactions on Information Theory, 2017.	
	Extended Abstract in Allerton 2016.	
	<i>Performance-Oriented Association in Large Cellular Networks with Technology Diversity</i>	
	A.Sankararaman, Jeong woo Cho and François Baccelli	
	In International Teletraffic Congress (ITC), 2016.	
	<i>CSMA k-SIC: A class of distributed MAC protocols and their performance evaluation</i>	
	A.Sankararaman and François Baccelli	
	In IEEE Conference on Computer Communications (INFOCOM), 2015.	
UNDER SUBMISSION	<i>Social Learning in Multi-Agent Multi-Armed Bandit Problem</i>	
	A. Sankararaman, Ayalvadi Ganesh and Sanjay Shakkottai	
	Under Submission. Paper available on request.	

TEACHING AND MENTORSHIP	Teaching Assistant, <i>Advanced Probability - Inference and Learning</i>	Spring 2018
	Teaching Assistant, <i>Probability and Stochastic Processes (Graduate)</i>	Fall 2018
	Duties include holding office hours, setting homework and exam problems.	
	Undergraduate Student Mentor - <i>Mixing Times for Random Walks on Groups</i>	Spring 2018
	Research supervisor for an undergraduate student project in the Mathematics Department	
LEADERSHIP	• WNCG Student Leadership Award	2018.
TALKS AND PRESENTATIONS	• <i>Interference Queuing Networks on Grids</i>	
	Talk at UNC-Chapel Hill Probability Seminar, Chapel Hill, NC.	Feb 2019
	Talk at Austin-TAMU Probability Seminar, Austin, TX.	May 2018
	Talk at Heriot-Watt University, Edinburgh UK	Feb 2018
	• <i>Community Detection on Euclidean Random Graphs</i>	
	Talk at MIT Research Laboratory of Electronics, Cambridge MA	Dec 2018
	Talk at University of Massachusetts, Amherst, MA	Dec 2018
	Talk at Indian Institute of Technology Madras, Chennai	Jan 2018
	Talk at ACM-SIAM SODA Conference, New Orleans, LA	Jan 2018
	Talk at The University of Texas at Austin	May 2017
	• <i>Spatial Birth Death Process on the Continuum</i>	
	Talk at Indian Institute of Technology Madras, Chennai	Jan 2017
	Talk at Princeton University	Nov 2016
	Talk at Allerton Conference on Communication Control and Computing	Oct 2016
	Talk at INRIA - Ecole Normale Supérieure, Paris	Sep 2016
	• <i>Technology Diversity - A Framework for Base Station Association in Large Cellular Networks</i>	
	Talk at 28th, International Teletraffic Congress (ITC-28), Würzburg, Germany	Sep 2016
	• <i>CSMA k-SIC: A Class of MAC Protocols</i>	
	Talk at IEEE INFOCOM, Hong Kong	May 2015
PROFESSIONAL SERVICES	• Organizer for the Random Structures Seminar at UT Austin Mathematics department.	2017-19.
	• Reviewer for IEEE ISIT (International Symposium on Information Theory)	2019
	• Reviewer for Queueing Systems Journal	2019
	• Reviewer for ACM-SIAM SODA (Symposium on Discrete Algorithms)	2019
	• Reviewer for IEEE FOCS (Foundations of Computer Science)	2018
	• Reviewer for SpaSWIN (Spatial Stochastic Models for Wireless Networks)	2018
	• Reviewer for Performance Evaluation	2017
	• Reviewer for IEEE Transactions on Information Theory	2016
	• Reviewer for IEEE Transactions on Wireless Communications	2015-2019
REFERENCES	On Request	