

# ABISHEK SANKARARAMAN

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CONTACT INFORMATION	1626 W.6th St, Unit A Austin, Texas, 78703	Mobile: +1 5126985191 Email: <a href="mailto:abishek@utexas.edu">abishek@utexas.edu</a>
INTERESTS	Random Graphs, Stochastic Dynamical Systems, Machine Learning <b>Application Areas:</b> Social Networks, Bioinformatics, Wireless Networks	
EDUCATION	<b>The University of Texas at Austin</b> <i>Ph.D. in Electrical and Computer Engineering</i> • 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> • Graduated ranked 1 <sup>st</sup> in the Department.	Jan. 2013 - Present      2008 - 2013
WORK EXPERIENCE	<b>Wireless Networking and Communications Group (WNCG), UT Austin</b> Graduate Research Assistant. Advisor: <a href="#">François Baccelli</a> <b>Simons Center for Network Mathematics</b> Graduate Research Assistant. Advisor: <a href="#">François Baccelli</a> <b>Huawei Research Labs</b> Data Science Intern. Manager: <a href="#">Hui Zang</a>	Austin, TX Jan 2014-Present  Austin, TX Jan 2014-Present  Santa Clara, CA May - Aug, 2015
PREPRINTS	<b>Interference Queuing Networks on Grids</b> A.Sankararaman, F.Baccelli and S.Foss <i>arXiv preprint arXiv:1710.09797, 2017</i> <a href="#">Link to Paper</a>	
PUBLICATIONS	<b>Community Detection on Euclidean Random Graphs</b> A.Sankararaman and F.Baccelli In <i>ACM-STAM Symposium on Discrete Algorithms (SODA)</i> , January 2018. Extended Abstract in <i>55th Allerton Conference</i> , October 2017. <a href="#">Link to Paper</a> <b>Spatial Birth-Death Wireless Networks</b> A.Sankararaman and F.Baccelli In <i>IEEE Transactions on Information Theory</i> , 63(6):39643982, 2017. Preliminary Version in <i>54th Allerton Conference</i> , October 2016. <a href="#">Link to Paper</a> <b>Performance-Oriented Association in Large Cellular Networks with Technology Diversity</b> A.Sankararaman, J.woo Cho and F.Baccelli In <i>2016 28th International Teletraffic Congress (ITC 28)</i> , Vol. 1, pp 94-102. Sep 2016, IEEE. <a href="#">Link to Paper</a> <b>CSMA k-SIC : A class of distributed MAC protocols and their performance evaluation</b> A.Sankararaman and F.Baccelli In <i>2015 IEEE Conference on Computer Communications (INFOCOM)</i> , pages 2002-2010, April 2015. <a href="#">Link to Paper</a>	

TEACHING EXPERIENCE	Teaching Assistant, <i>Advanced Probability - Inference and Learning</i> <i>The University of Texas at Austin</i>	Spring 2018
	Teaching Assistant, <i>Statistical Signal Processing</i> <i>The University of Texas at Austin</i>	Spring 2014
TALKS AND PRESENTATIONS	<ul style="list-style-type: none"> <li>• <i>Interference Queuing Networks on Grids</i> Talk at Austin-TAMU Probability Seminar, Austin, TX. May 2018 Talk at Heriot-Watt University, Edinburgh UK Feb 2018</li> <li>• <i>Community Detection on Euclidean Random Graphs</i> 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</li> <li>• <i>A Model of Spatial Birth Death Process</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</li> <li>• <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</li> <li>• <i>CSMA k-SIC: A Class of MAC Protocols</i> Talk at IEEE INFOCOM, Hong Kong May 2015</li> </ul>	
RESEARCH TRAVELS	<ul style="list-style-type: none"> <li>• Hosted by Sergey Foss at Heriot-Watt University, Edinburgh, UK Feb 2018</li> <li>• Hosted by Emmanuel Abbe at Princeton University Nov 2016, Feb 2018</li> </ul>	
PROFESSIONAL SERVICES	<ul style="list-style-type: none"> <li>• Reviewer for IEEE FOCS (Foundations of Computer Science) 2018</li> <li>• Reviewer for SpaSWIN (Spatial Stochastic Models for Wireless Networks) 2018</li> <li>• Reviewer for Performance Evaluation 2017</li> <li>• Reviewer for IEEE Transactions on Information Theory 2016</li> <li>• Reviewer for IEEE Transactions on Wireless Communications 2015</li> </ul>	
HONOURS AND AWARDS	<ul style="list-style-type: none"> <li>• DAAD, WISE Scholar, 2011.</li> <li>• Top one percent, National Standard Examination in Physics and Chemistry (NSEP) and (NSEC), 2007-08.</li> </ul>	
ONLINE PRESENCE	<ul style="list-style-type: none"> <li>• <a href="#">Research Webpage</a></li> <li>• <a href="#">Github</a></li> </ul>	