

## ALI GHOLAMI RUDI — CURRICULUM VITAE

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RESEARCH INTERESTS	Computational geometry; Parallel algorithms; Combinatorial algorithms	
ACADEMIC POSITIONS	Assistant Professor, Department of Electrical and Computer Engineering, Babol Noshirvani University of Technology	2015—
EDUCATION	Tarbiat Modares University, Tehran PhD in Computer Engineering	2011—2015
	Tarbiat Modares University, Tehran MSc in Computer Engineering	2008—2010
	Sharif University of Technology, Tehran BSc in Computer Engineering	2004—2008
HONOURS AND AWARDS	Gold Medal in 13th Iranian National Olympiad in Informatics	2003
PUBLICATIONS	<a href="#">Time-Windowed Contiguous Hotspot Queries</a> . <i>Proceedings of the 1st Iranian Conference on Computational Geometry</i> , 15–18, 2018. arXiv:1711.03795 [cs.CG]. <a href="#">Approximate Hotspots of Orthogonal Trajectories</a> . <i>Proceedings of the 1st Iranian Conference on Computational Geometry</i> , 37–40, 2018. arXiv:1710.05185 [cs.CG]. <a href="#">A Practical Algorithm for Enumerating Collinear Points</a> . With R. A. Rufai. arXiv:1706.05412 [cs.CG]. <a href="#">An Improved Lower Bound for General Position Subset Selection</a> . <i>Int. J. Computing Science and Mathematics</i> 8(6):562–569, 2017. arXiv:1702.08654 [cs.CG]. <a href="#">Image Preprocessing with a Parallel Optoelectronic Processor</a> . With S. Jalili. <i>Computers &amp; Electrical Engineering</i> 46:554–565, 2015. <a href="#">RANGI: A Fast List-Colored Graph Motif Finding Algorithm</a> . With S. Shahrivari, S. Jalili, Z. R. M. Kashani. <i>ACM/IEEE Transactions on Computational Biology and Bioinformatics</i> 10(2):504–513, 2013. <a href="#">A Parallel Optical Implementation of Arithmetic Operations</a> . With S. Jalili. <i>Optics &amp; Laser Technology</i> 49:173–182, 2013. <a href="#">A New Light-Based Solution to the Hamiltonian Path Problem</a> . With J. S. Sartakhti, S. Jalili. <i>Future Generation Computer Systems</i> 29:520–527, 2013.	

PATENTS

[IROST Patent: Electro-optic Parallel Processor](#). With S. Jalili, R. R. Dehsorkh.  
Iranian Research Organization for Science and Technology, 2017.

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