

| | | |
|---------------------|---|-----------|
| CONTACT INFORMATION | <i>E-mail:</i> gholamirudi@nit.ac.ir <i>Webpage:</i> http://nit.rudi.ir/ | |
| 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 | <p>Enumerating Collinear Points in Higher Dimensions, With R. A. Rufai, Preprint, 2017.</p> <p>Approximate Hotspots of Orthogonal Trajectories, Preprint, 2017, arXiv:1710.05185 [cs.CG].</p> <p>A Practical Algorithm for Enumerating Collinear Points, With R. A. Rufai, Preprint, 2017, arXiv:1706.05412 [cs.CG].</p> <p>An Improved Lower Bound for General Position Subset Selection, Preprint, 2017, arXiv:1702.08654 [cs.CG].</p> <p>Image Preprocessing with a Parallel Optoelectronic Processor, With S. Jalili, <i>Computers & Electrical Engineering</i> 46:554–565, 2015.</p> <p>RANGI: A Fast List-Colored Graph Motif Finding Algorithm, With S. Shahrivari, S. Jalili, Z. R. M. Kashani, <i>ACM/IEEE Transactions on Computational Biology and Bioinformatics</i> 10(2):504–513, 2013.</p> <p>A Parallel Optical Implementation of Arithmetic Operations, With S. Jalili, <i>Optics & Laser Technology</i> 49:173–182, 2013.</p> <p>A New Light-Based Solution to the Hamiltonian Path Problem, With J. S. Sartakhti, S. Jalili, <i>Future Generation Computer Systems</i> 29:520–527, 2013.</p> | |

PATENTS

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

DOI: 10.22104/IROST.1396.163