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RESEARCH INTERESTS	Uncertain Information Processing, Cryptographic Algorithms, Data Privacy, Big Data Analysis.
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EDUCATION	Yazd University
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Ph.D. in Computer Science, 2012-2016

- Dissertation Topic: S-approximation and its applications to information processing
- Supervisor: Prof. M. R. Hooshmandasl
- Advisors: Prof. B. Davvaz & Prof. S. A. Shahzadefazely

M.Sc. in Computer Science, 2010-2012

- Thesis Topic: An Overview of Generalized Quantum Turing Machine and Computational Complexity
- Supervisor: Prof. M. R. Hooshmandasl
- Advisor: Prof. S. A. Shahzadefazely
- Ranked first among MSc students of Computer Science

Shahid Bahonar University of Kerman

B.Sc. in Computer Science, 2006-2010

- Project Title: Classical Information Retrieval Models
- Supervisor: Prof. H. Sanatnama

JOURNAL PUBLICATIONS	
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1. SHAKIBA, A., HOOSHMANDASL, M., DAVVAZ, B., AND SHAHZADEH FAZELI, S. A. S-approximation spaces: A fuzzy approach. *Iranian Journal of Fuzzy Systems* 14, 2 (2017), 127–154.
2. SHAKIBA, A., AND HOOSHMANDASL, M. R. Data volume reduction in covering approximation spaces with respect to twenty-two types of covering based rough sets. *International Journal of Approximate Reasoning* 75 (2016), 13–38.
3. SHAKIBA, A., AND HOOSHMANDASL, M. R. Neighborhood system S-approximation spaces and applications. *Knowledge and Information Systems* 49, 2 (2016), 749–794.
4. SHAKIBA, A., HOOSHMANDASL, M. R., DAVVAZ, B., AND FAZELI, S. A. S. An intuitionistic fuzzy approach to S-approximation spaces. *Journal of Intelligent & Fuzzy Systems* 30, 6 (2016), 3385–3397.
5. SHAKIBA, A., HOOSHMANDASL, M. R., AND MEYBODI, M. A. Cryptanalysis of multiplicative coupled cryptosystems based on the chebyshev polynomials. *International Journal of Bifurcation and Chaos* 26, 07 (2016), 1650112.
6. HEYDARI, M., HOOSHMANDASL, M. R., SHAKIBA, A., AND CATTANI, C. Legendre wavelets Galerkin method for solving nonlinear stochastic integral equations. *Nonlinear Dynamics* 85, 2 (2016), 1185–1202.
7. HEYDARI, M., HOOSHMANDASL, M. R., SHAKIBA, A., AND CATTANI, C. An efficient computational method based on the hat functions for solving fractional optimal control problems. *Tbilisi Mathematical Journal* 9, 1 (2016), 143–157.

8. SHAKIBA, A., AND HOOSHMANDASL, M. R. S-approximation spaces: a three-way decision approach. *Fundamenta Informaticae* 139, 3 (2015), 307–328.
9. HOOSHMANDASL, M. R., SHAKIBA, A., GOHARSHADY, A., AND KARIMI, A. S-approximation: a new approach to algebraic approximation. *Journal of Discrete Mathematics* 2014 (2014).

CONFERENCE PUBLICATIONS

1. SHAKIBA, A. Differentially Private Fuzzy C-Means Clustering Algorithms for Fuzzy Datasets. In *6th Iranian Joint Congress on Fuzzy and Intelligent Systems (17th Conference on Fuzzy Systems and 15th Conference on Intelligent Systems) at Shahid Bahonar University of Kerman* (2018).
2. HASHEMIPOUR, M., HOOSHMANDASL, M., AND SHAKIBA, A. On the complexity of the outer-connected bondage and the outer-connected reinforcement problems. In *10th Conference on Graph Theory and Algebraic Combinatorics at Yazd University* (2018).
3. HOOSHMANDASL, M. R., MEYBODI, M. A., GOHARSHADY, A., AND SHAKIBA, A. A combinatorial approach to certain topological spaces based on minimum complement s-approximation spaces. In *8th International Seminar on Geometry and Topology at Amirkabir University of Technology* (2016).
4. SHAKIBA, A. AND HOOSHMANDASL, M. R. Generalized Quantum Turing Machines and Satisfiability Problem. In *2nd National Conference on Software Engineering at University of Lahijan* (2012).
5. SHAKIBA, A., HOOSHMANDASL, M. R. AND MEYBODI, M. A. Multiplicative Coupled Public Key Schemes. In *9th ISC's International Conference on Information Security and Cryptography at University of Tabriz* (2012).
6. MEYBODI, M. A., HOOSHMANDASL, M. R. AND SHAKIBA, A. A Public Key Cryptographic Scheme by Invertible Mappings. In *9th ISC's International Conference on Information Security and Cryptography at University of Tabriz* (2012).

UNPUBLISHED WORKS

1. SHAKIBA, A. A Public-key Chaotic Color Image Encryption Scheme based on the Chebyshev Mappings.
2. SHAKIBA, A. The Combination of S-approximation Spaces to Deal with Distributed Uncertainty.
3. HASHEMIPOUR, M., HOOSHMANDASL, M., AND SHAKIBA, A. On outer-connected domination for graph products. *arXiv preprint arXiv:1708.00188* (2017).
4. RAJAATI, M., HOOSHMANDASL, M. R., DINNEEN, M. J., AND SHAKIBA, A. On fixed-parameter tractability of the mixed domination problem for graphs with bounded tree-width. *arXiv preprint arXiv:1612.08234* (2016).
5. RAJAATI, M., SHARIFANI, P., SHAKIBA, A., HOOSHMANDASL, M., AND DINNEEN, M. An efficient algorithm for mixed domination on generalized series-parallel graphs. *arXiv preprint arXiv:1708.00240* (2017).
6. MEYBODI, M. A., HOOSHMANDASL, M. R., SHARIFANI, P. AND SHAKIBA, A. On the k-rainbow domination in graphs with bounded tree-width.

WORKSHOPS & TALKS	<i>Doing & Managing Research in Computer Science with Modern Tools: Narration of a Personal Experience</i> , VRU, Planned to be given on May, 2018.		
	<i>Scientific Typesetting using L^AT_EX and friends</i> , VRU, 2018.		
	<i>How do I use the HPC facilities at the VRU?</i> , VRU, 2017.		
	<i>GNU/Linux and bash scripting for Physicists</i> , Yazd University, 2015		
	<i>Adiabatic Quantum Computers Meet Optimization Problems</i> , Graduate University of Advanced Technology, 2012.		
TEACHING EXPERIENCE	Spring	2018	Secure Computing, Data Mining, Operating Systems, Introduction to Computer Programming for Physics Students (Fortran 90) at Vali-e-Asr University of Rafsanjan
	Fall	2017	Secure Computing, Theory of Computer Science (Graduate Course), Introduction to Computer Programming for Physics Students (Fortran 90) at Vali-e-Asr University of Rafsanjan
	Spring	2017	Data Mining, Introduction to Computer Programming for Physics Students (Fortran 90) at Vali-e-Asr University of Rafsanjan
	Fall	2016	Introduction to Computability, Introduction to Computer Programming for Physics Students (Fortran 90), Theory of Computer Science (Graduate Course) at Vali-e-Asr University of Rafsanjan
	Fall	2015	Principles of Computer Systems at Yazd University
	Spring	2014	Introduction to Mathematical Softwares at Yazd University
	Fall	2013	Fundamentals of Computer Programming (C++) at Yazd University
HONORS	<ul style="list-style-type: none"> • Ranked 24th in National Entrance Exam for PhD in Computer Science • Graduated MSc in Computer Science with 1st Rank from Yazd University • Ranked 1st in the “Practical Abilities in Computer” competition - Province Round (Kerman) while studying at High School • Honorable Mention in the “Practical Abilities in Computer” competition - National Round while studying at High School 		
ACADEMIC POSITIONS	Director of the High Performance Computing Center at the Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran - Since June 2017		
	Member of the Graduate Studies Committee at the Faculty of Mathematical Sciences, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran - Since September 2017		
	Member of the International Affairs Committee at the Faculty of Mathematical Sciences, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran - Since September 2017		
	Assistant Professor at the Department of Computer Science, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran - Since September, 2016		
	Research Assistant at the Laboratory of Quantum Information Processing, Yazd University, Yazd, Iran - Since June, 2012		

ACADEMIC SERVICES	Reviewer for the AMS Mathematical Reviews since November 2016
	Reviewer for IEEE Transactions on Fuzzy Systems, Cogent Mathematics and Journal of Computational Methods in Sciences and Engineering
	Reviewer for International ISC Conference on Information Security and Cryptology'13,'14,'16 and CEITCONF'18.
MEMBERSHIPS IN ACADEMIC SOCIETIES	Association for Computing Machinery (ACM), Since 2014
	International Rough Set Society (IRSS), Since 2014
	Iranian Mathematical Society, Since 2017
	Society for Industrial and Applied Mathematics (SIAM), 2016-2016
	Institute of Electrical and Electronics Engineering (IEEE), 2014-2016
	Iranian Fuzzy System Society, 2014-2016
RELEVANT SKILLS	<p>Language Proficiency: Persian, English</p> <p>Programming Experience: Python 2.x, Java 7, C++, Fortran 90</p> <p>Professional Softwares: MATLAB, Maple</p> <p>In general, I have relatively extensive experience in writing and debugging high performance programs using OpenMP, Intel MPI and Apache Ecosystem.</p>
REFERENCES	<p>Prof. M.R. Hooshmandasl Associate Professor of Computer Science at Yazd University +98-913-258-6119, hooshmandasl@yazd.ac.ir</p> <p>Prof. B. Davvaz Professor of Mathematics at Yazd University +98-353-123-2714, davvaz@yazd.ac.ir</p> <p>Prof. F. Maalek-Ghaini Professor of Mathematics at Yazd University +98-913-253-7357, maalek@yazd.ac.ir</p> <p>Prof. M.R. Heydarian Assistant Professor and Dean of the Department of Computer Science at Vali-e-Asr University of Rafsanjan +98-913-151-3518, mrh@vru.ac.ir</p> <p>Prof. M. Keshavarzi Assistant Professor of Computer Science and Dean of the Faculty of Mathematical Sciences at Vali-e-Asr University of Rafsanjan +98-913-191-7738, mkeshavarzi@vru.ac.ir</p> <p>Prof. S.M. Sabbagh Jafari Assistant Professor of Computer Engineering and the Dean of the IT Department at Vali-e-Asr University of Rafsanjan +98-913-391-3037, mojtaba.sabbagh@vru.ac.ir</p>