



## Saeideh Kabirirad

Assistant Professor

College: Computer and Industrial Engineering

Department: Computer Science

### Education

Degree	Graduated in	Major	University
MSc	2010	Computer Science	Shahid Beheshti University
Ph.D	2019	Computer Science	Shahid Beheshti University

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
	Assistant Professor	Tenure Track	Full Time	13

### Subjects Taught

Introduction to programming

Advanced programming

Data structures

Algorithm design and analysis

Introduction to the theory of computation

Cryptography

Foundations of blockchain

### Papers in Conferences

- [1. A Tahmasbzadeh, S Kabirirad, A Blockchain-Based Approach for Data Storage in Drug Supply Chain, 9,th International Conference on Web Research \(ICWR\), 2023.](#)
- [2. Saeideh Kabirirad. Parallel implementation of a \(t,n\)-threshold multi-image sharing scheme using GPU. 13,th International Conference on Information and Knowledge Technology \(IKT\), 2022, 12-13.](#)

3. Saeideh Kabirirad. A data preprocessing model and its effect on hepatitis disease prediction. 16th International Conference of The Iranian Operations Research Society, ۲۰۲۲ ۱۱ ۱۶.
4. S. Kabirirad, & Z. Eslami, Forgery Attack on An Outsourced Attribute-Based Signature Scheme, 27th International Computer Conference, Computer Society of Iran (CSICC), 2022 02 23.
5. S. Kabirirad. COVID-19 Vaccine Supply Chain Based on Blockchain. 18th Iranian International Industrial Engineering Conference (IIIEC۲۰۲۱), ۱۱ ۲۰۲۱.
6. S. Kabirirad. A study on security issues and challenges in blockchain-based supply chain. ۷th International Conference on logistics and supply chain management, ۲۰۲۰ ۱۲ ۲۴.
7. Z Eslami, S Kabirirad, A block-based image encryption scheme using cellular automata with authentication capability, AIP Conference, 2019 01 01.

## Papers in Journals

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1. Majid Abdolrazzagah, & Nezhad, Saeideh Kabirirad, Mahnaz Ghaderi, A Generalized Spread Spectrum-Based Audio Watermarking Method with Adaptive Synchronization, Journal of Computing and Security, 2023.
2. S Kabirirad, S Sheidani, Z Eslami, An Efficient Ramp Secret Sharing Scheme Based on Zigzag-Decodable Codes, Computer and Knowledge Engineering, 2023.
3. Saeideh Kabirirad, Mahmood Fazlali, Ziba Eslami, High-speed GPU implementation of a secret sharing scheme based on cellular automata, The Journal of Supercomputing, 2019 11 01, JCR.
4. Saeideh Kabirirad, & Ziba Eslami, Improvement of  $(n, n)$ -multi-secret image sharing schemes based on Boolean operations, Journal of Information Security and Applications, 2019 08 01, JCR.
5. Saeideh Kabirirad, & Ziba Eslami, A block-based image encryption scheme using cellular automata with authentication capability, AIP Conference Proceedings, 2019, Scopus.
6. Saeideh Kabirirad, Ziba Eslami, A  $(t, n)$ -multi secret image sharing scheme based on Boolean operations, Journal of Visual Communication and Image Representation, 2018 11 01, JCR.
7. Saeideh Kabirirad, Hossein Kardanmoghaddam, Vahidreza Afshin, Heart Disease Prediction by Using Artificial Neural Network, International Journal of Computer Science and Information Security (IJCSIS), 2016 02 01.
8. Ziba Eslami, Mahnaz Noroozi, Saideh Kabiri Rad, Provably Secure Group Key Exchange Protocol in the Presence of Dishonest Insiders, International Journal of Network Security, 2016 01 01, SJR.
9. Saeideh Kabirirad, Hamideh Hajiabadi, Cryptanalysis of an authenticated image encryption scheme based on chaotic maps and memory cellular automata, IACR Cryptol. ePrint Arch., 2015.
10. Ziba Eslami, Saeideh Kabirirad, A new verifiable multi-secret sharing scheme based on bilinear maps, Wireless Personal Communications, 2012 03 01, JCR.
11. Z Eslami, & S Kabiri Rad, Another security weakness in an authenticated group key agreement, Journal of Internet Technology, 2010 07 01, JCR.