Javad Salimi Sartakhti

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Research Interests

- **Game Theory & Mechanism Design**
- **Machine Learning Algorithms**
- **Deep Learning**
- **Blockchain**

Education

- Ph.D. degree, Computer Engineering, Software, Isfahan University of Technology, Tehran, Iran, 2012-2016
  First Rank among Computer Engineering students (GPA: 19.62 out of 20).

- M.Sc. degree, Computer Engineering, Software, Tarbiat Modares University, Tehran, Iran, 2009-2012
  First Rank among Computer Engineering students (GPA: 17.82 out of 20).

- B.Sc. degree, Computer Engineering, Software, University of Kashan, Iran, 2005-2009
  First Rank among Computer Engineering students (GPA: 17.20 out of 20).

Honors

- Member of **Iran's National Elites Foundation** (1394)
- **First rank** among all **Ph.D.** students of Computer Engineering Department.
- **First rank** among all **M.Sc.** students of Computer Engineering.
- **First rank** among all **B.Sc.** students of Computer Engineering.
- **First rank** at Data Mining and Pattern Recognition matching Isfahan, Iran (2011).

PUBLICATIONS

1. Javad Salimi Sartakhti, Homayun Afrabandpey, Nasser Ghadiri, Fuzzy least squares twin support vector machines, Engineering Applications of Artificial Intelligence, Volume 85, 2019, Pages 402-409, ISSN 0952-1976,
2. Sartakhti, J.S. and Jalili, S., 2019. On the computational power of the light: A plan for breaking data encryption standard. Theoretical Computer Science, 773, pp.71-78. Javad Salimi Sartakhti, MH Manshaei, M Archetti, " Game Theory of Tumor–Stroma Interactions in Multiple Myeloma: Effect of Nonlinear Benefits", Games, 2018.
3. Bahareh Khazaei, Javad Salimi Sartakhti, Mohammad Hossein Manshaei, Quanyan Zhu, Mehdi Sadeghi, and Seyed Rasoul Mousavi, "HIV-1-Infected T-cells Dynamics and Prognosis: An Evolutionary Game Model", Computer methods and programs in biomedicine 152, 1-14, 2017.
4. Javad Salimi and Saeed Jalili, "On the Computational Power of the Light: A plan for Breaking Data Encryption Standard", Theoretical Computer science, Revised.
5. Javad Salimi, Homayoun Afrabandpey, Nasser Ghadiri, "Fuzzy Least Squares Twin Support Vector Machines", IEEE Transaction on Neural Network and Machine Learning, Under Review.
6.
7. Javad Salimi Sartakhti, Mohammad Hossein Manshaei, and Mehdi Sadeghi. "MMP–TIMP interactions in cancer invasion: An evolutionary game-theoretical framework." Journal of Theoretical Biology 412 (2017): 17-26.
8. Javad Salimi Sartakhti, Mohammad Hossein Manshaei, Marco Archetti, Soroosh bateni, "Evolutionary dynamics of tumor-stroma interactions in multiple myeloma". PloS one, 11(12), p.e0168856.
9. Javad Salimi Sartakhti, Manshaei, M.H., Basanta, D. and Sadeghi, M., 2017. Evolutionary emergence of angiogenesis in avascular tumors using a spatial public goods game. PloS one, 12(4), p.e0175063.
10. Javad Salimi, Homayun Afrabandpey, and Mohamad Saraee. "Simulated annealing least squares twin support vector machine (SA-LSTSVM) for pattern classification." Soft Computing (2016): 1-13.
11. Javad Salimi Sartakhti, Hossein Zangoei, Kourosh Mozafari, "Hepatitis disease diagnosis using a novel hybrid system based on Support Vector Machine and Simulated Annealing (SVM-SA)", Computers methods and programs in biomedicine (Elsevier), 2012.
12. Javad Salimi Sartakhti, Saeed Jalili, "A New Light-based Solution to the Hamiltonian Path Problem", Future Generation Computer Systems (Elsevier), 2012.
13. Sama Goliaei, Javad Salimi Sartakhti, Saeed Jalili, "A Light-Based Solution for Dominating Set Problem", Applied Optics (OSA), 2013.

14. Javad Salimi Sartakhti, Naser Ghadiri, Homayoun Afrabanpey, "Fuzzy Least Squares Twin Support Vector Machines", Soft Computing (Submitted).

- Javad Salimi Sartakhti, Nasser Ghadiri, Jalal Nasiri, Nasrollah Moghadam, Mohammad Hossein Manshaei, "Predicting protein secondary structure using a network of improved least square twin SVMs", Artificial Intelligence In Medicine, (Submitted).

- Ph.D. thesis: **Modeling and simulation of Cancer progression Using Game Theory and Multiagent System**, under supervision of Professor Mohammad Hossein Manshaei and co-supervision of professor Mehdi Sadeghi with excellent grade.

- Master thesis: ***An Optical computational model for solving some NP-Complete and NP-Hard problems,*** under supervision of Professor Saeed Jalili and co-supervision of professor Nasrollah moghaddam with excellent grade (19.40 out of 20).

Professional Experiences

- Head of computer engineering group of university of Kashan (2018-Now).
- Administrator of foreign students of computer engineering group of university of Kashan (2018-Now)
- Conference Chair in 4th international conference on computer games; challenges and opportunities.
- 2016- Software integration using agile process (IT center of Isfahan University of Technology).
- 2015- Design and software development of hydrodynamic analysis of submarine and its commercialization (Malek-Ashtar University of Technology).
- 2014- Researcher and developer in in Avionic Institute in Isfahan University of Technology (National Project).
- 2013- Cooperating in design and implementation of Hpatic Robot in Tarbiat Modares University.
- 2013- Designer and programmer in Rayan Eghtesad Novin Company.
- 2012- Design and development of telemetering software of AmirKabir Refinery.

Teaching

- Artificial Inteligence, Algorithm design, Genetic algorithm, Kashan University.
- Software engineering 1&2, Isfahan University of Technology, Fall 2013-2015.
- Data Structure, Isfahan University of Technology, spring and fall 2013-2014.
- Database Lab, Isfahan University of Technology 2015.
- Assistant in Advanced Algorithms course, Tarbiat Modares University, (2011-2012).

References

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