

Javad Salimi Sartakhti

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RESEARCH INTERESTS

- *Population Evolution Modeling*
- *Computational Biology*
- *Machine Learning Algorithms*
- *Game Theory & Mechanism Design*
- *Unconventional Computing*

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

- *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.*
- *Javad Salimi Sartakhti, Mohammad Hossein Manshaei, Marco Archetti, Soroosh bateni, "Evolutionary dynamics of tumor-stroma interactions in multiple myeloma". PLoS One (in press), 2017.*
- *"Evolutionary Emergence of Angiogenesis in Avascular Tumors Using a Spatial Public Goods Game", Javad Salimi Sartakhti, Mohammad Hossein Manshaei, David Basanta, and Mehdi Sadeghi, PloS One (Accepted), 2017.*
- *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.*
- *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.*
- *Javad Salimi Sartakhti, Saeed Jalili, "A New Light-based Solution to the Hamiltonian Path Problem", Future Generation Computer Systems (Elsevier), 2012.*
- *Sama Goliaei, Javad Salimi Sartakhti, Saeed Jalili, "A Light-Based Solution for Dominating Set Problem", Applied Optics (OSA), 2013.*
- *Javad Salimi Sartakhti, Abdolreza Mirzaee, "Disease diagnosis using fuzzy rule extraction based on distributed genetic algorithm", Conference on Information and Knowledge Technology (IKT), Shiraz, Iran, 2013.*
- *Javad Salimi Sartakhti, Maziar Palhang, "LSTSVM improvement using Simulated Annealing" 5th Conference on Information and Knowledge Technology (IKT), Shiraz, Iran, 2013.*
- *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", Computers methods and programs in biomedicine (Minor Revision)*
- *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).*

Work Experiences

- *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 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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