

CURRICULAM VITAE

Kimia Bazargan Lari

CONTACTS

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PERSONAL INFORMATION

Date of birth: June 6, 1987

Place of birth: Shiraz, Iran

Citizenship: Iranian

Marital Status: Married

CURRENT POSITION/AFFILIATION

Assistant Professor, Department of Medical Journalism, School of Paramedical Sciences, Shiraz University of Medical Science, Shiraz, Iran, 2020 – present.

EDUCATIONAL BACKGROUND

- Sep 2012 – Jan 2018

Ph.D. Computer Eng., Shiraz University, Iran.

Thesis Title: "A diversity concentrated evolutionary method to solve many objective optimization problems"

1th Supervisor: Prof. Ali Hamzeh (Artificial Intelligence Department, School of Computer Engineering, Shiraz University)

Concentrations: Evolutionary Algorithms, Many objective Evolutionary Algorithms, Population Diversity, Optimization, Fitness Function

- Sep 2010 – Sep 2012

M. Sc. Computer Eng., Shiraz University, Iran.

Thesis Title: "A new approach for improving Multi Objective Evolutionary Algorithms based on Decompose"

Supervisor: Prof. Ali Hamzeh (Artificial Intelligence Department, School of Computer Engineering, Shiraz University)

Concentrations: Optimization - Evolutionary Algorithm- Pareto optimality - Multi-objective evolutionary algorithm based on decompose - Neighborhood size - Island model -

ACADEMIC EXPERIENCE

Apr 2021- present	<p>Assistant Professor, Department of Medical Journalism, Courses: (<u>Master of Science</u>): Online Production of Scientific Publications, Advanced Computer, Publication Graphic Design, Magazine and Journal Production</p> <p>Department of Information Technology: (<u>Ph.D. and Master of Science</u>): Medical Information Systems, Application of Computer in Education (<u>Bachelor of Science</u>): Application of Computer in Dentistry, Medical Information Systems</p>
Feb 2020-2021	<p>Lecturer, Shiraz University of Medical Sciences, Virtual School, Comprehensive Center of Excellence for Advanced Electronic Learning in Medical Science Courses: (<u>Ph.D.</u>): Medical Information Systems (<u>Master of Science</u>): Information Security in E-learning Systems</p>
Jan 2019 - 2021	<p>Lecturer, Shiraz University of Medical Sciences, Shiraz, Iran. (<u>Master of Science in Medical Journalism</u>): Online Production of Scientific Publications, Advanced Computer Learning</p>
Jan 2014-2021	<p>Assistant Professor, Department of Computer Engineering, Apadana Institute of Higher Education, Shiraz, Iran. Courses: (<u>Bachelor of Science</u>): Data Structures, Artificial Intelligence, Introduction to Algorithms, Soft Computing, Discrete Structures and Logic, Presentation Methods, Software Engineering, Special Topics, Project (<u>Master of Science</u>): Evolutionary Algorithms, Decision Support System, Foundation of Research, Expert Systems, Special Topics</p>
Jan 2013-Jan 2014	<p>Lecturer, Department of Computer Engineering, Apadana Institute of Higher Education, Shiraz, Iran.</p>
Jan 2013-Present	<p>Lecturer, Shiraz University Online Graduate Program Courses: (<u>Bachelor of Science</u>): Data Structures, Software Engineering 2, Introduction to Algorithms, Presentation Method, Computer Lab</p>
Sep 2013-Sep 2017	<p>Lecturer, Department of Computer Engineering, Payam Noor University – Shiraz Branch, Courses: (<u>Bachelor of Science</u>): Artificial Intelligence, Project, Computer Lab., Fundamental of Computational Intelligence</p>
Sep 2016-2019	<p>Lecturer, Department of Computer Engineering, Pishtazan Institute, Shiraz, Iran. Courses: (<u>Master of Science Programs in Computer Software Engineering</u>): Foundation of Research</p>
Jan 2013-Aug 2013	<p>Lecturer, Department of Computer Engineering, Islamic Azad University – Shiraz Branch, Shiraz, Iran Courses: (<u>Bachelor of Science</u>): Software Engineering</p>
Sep 2012-Jan 2018	<p>Teaching Assistant, Department of Computer Engineering, Shiraz University, Shiraz, Iran. Ph.D. and Master of Science Programs in Computer Engineering, Artificial Intelligence (Dr. Ali Hamzeh), Evolutionary Computing</p>

TEACHING EXPERIENCE

a. GRADUATE COURSES TAUGHT

Graduate	
<i>Course</i>	<i>Frequency</i>
Medical Information Systems	16 Times
Decision Support System	7 Times
Expert Systems	5 Times
Foundation of Research	7 Times
Evolutionary Computing	7 Times
Fuzzy Systems	5 Time
Online Production of Scientific Publications	4 Times
Advanced Computer	3 Times
Magazine and Journal Production	2 Times
Publication's Graphic Design	1 Time
Information Security in E-learning systems	1 Time

b. UNDER GRADUATE COURSES TAUGHT

Undergraduate	
<i>Course</i>	<i>Frequency</i>
Data structures	18 Times
Artificial Intelligence	18 Times
Introduction to Algorithms	8 Times
Soft Computing	8 Times
Discrete structures and logic	3 Times
Presentation Methods	5 Times
Software Engineering	3 Times
Computer lab	8 Times
Special Topics	3 Times
Internet Engineering	4 Times
Programming Language Design	1 Time
Natural Language Processing	4 Times

PROFESSIONAL EXPERIENCE

Sep 2014 - Present

Board Member, Tilari Sanat Pars Company.

Conference Execution

Activity	Description
Executive Director	“First International Conference on Smart City (ICSC) Challenges and Strategies” indexed in ISC Held by: Apadana Institute of Higher Education Conference Date: 13 and 14 November 2019
Executive Director	“Second International Conference on Smart City (ICSC) Challenges and Strategies” indexed in ISC Held by: Apadana Institute of Higher Education Conference Date: 18 November 2021

AWARDS, HONORS and SCHOLARSHIPS

- First ranking among all graduated M.Sc. students in Computer Engineering Department at Shiraz University – International Branch, 2012. Achieved the highest overall GPA (18.55/20) among all M.Sc. students
- Honor Admission into the Ph.D. Program in the Department of Computer Engineering at Shiraz University – International Branch, 2012.
- Third ranking among all graduated Ph.D. students in Computer Engineering Department at Shiraz University – International branch, 2018.
- Best Professor of the Year Award from the Apadana Institute of Higher Education, 2015.
- Best Paper Award on Artificial Intelligence and Signal Processing Conference (AISP), 2017
- Best Paper Award on The 4th International conference on Pattern Recognition and Image Analysis (IPRIA), 2019- (Tehran-Sharif university of Technology)
- Head of computer department in Apadana Institute of Higher Education (2015-2019).
- Third ranking among all students in the Department of Computer Engineering at Islamic Azad University – Shiraz Branch, and exemption from tuition fees in 2009.
- Has qualified consultants from the ICT guild organization of Fars in the field of management and consulting

PROFESSIONAL AFFILIATIONS

- Member of Committee of Conferences and Seminars of Iranian Association of Machine Vision and Image Processing (ISMVIP), Tehran University, Tehran, Iran (2019 – present)
- Member of Soft Computing Group (SCG), Shiraz University, Shiraz, Iran (2010 – present)
- Member of Young Researchers Club's Exceptional Talents
- Member of the Educational and Consulting Commission of ICT Guild Organization of Fars

PUBLICATIONS

a. Books

- Keshavarzpour, Akbar, Homayouni, Haleh, **Bazargan Lari, Kimia**, “Programming Languages: Design and Implementation”, Raznahan Academic Publishing (June 28, 2017) ISBN-978-600-448-203-5
- Keshavarzpour, Akbar, **Bazargan Lari, Kimia**, Homayouni, Haleh, “Computer Networks, Security Measure”, Raznahan Academic Publishing (SEP 10, 2018) ISBN-978-600-448-549-4
- Keshavarzpour, Akbar, **Bazargan Lari, Kimia**, Homayouni, Haleh, SiahBazi, Alireza, “Fundamentals of Programming and Databases” Raznahan Academic Publishing (April 28, 2020) ISBN-978-600-448-861-7

b. REFEREED JOURNAL PUBLICATIONS

- **Lari, Kimia Bazargan**, and Ali Hamzeh “An Evolutionary based Framework for Many-Objective Optimization Problems.” Engineering Computations. 35.4 (2018): 1805-1828. Q2- ISI with IF 1.593
- **Lari, Kimia Bazargan**, and Ali Hamzeh. "A diversity control mechanism in many objective optimizations." Applied Intelligence (2016): 1-23. Q1- ISI with IF 5.086
- Tahernezhad, kamyab, **Bazargan Lari, Kimia**, Hamzeh, Ali, Hashemi Sattar, “HC-MOEA: a Hierarchical Clustering approach for increasing the Solution’s Diversity in Multiobjective Evolutionary Algorithms”, Intelligent Data Analysis (IDA), 2014. ISI with IF 0 .86
- Dallaki, Hedayatollah, **Bazargan Lari, Kimia**, Hamzeh, Ali, Hashemi Sattar, Sami Ashkan “Scaling up the Hybrid Particle Swarm Optimization algorithm for nominal data-sets”, Intelligent Data Analysis (IDA), 2014. ISI with IF 0 .86
- Rahbaralam, Elaheh, Bazargan Lari, Yousef, Agahi, Hamed, **Bazargan Lari, Kimia**, “Tumor Volume Growth Control Using Bifurcation Approach” Journal of Mechanics in Medicine and Biology, Vol. 22, No. 3, 2022. ISI with IF 0.86

c. UNDER REVIEW JOURNAL PAPERS

- **Bazargan Lari, Kimia**, Hamzeh, Ali, “The Effect of Neighboring in Uniform and Non-Uniform Island MOEA/D-DE”, submitted
- **Bazargan Lari, Kimia**, Hamzeh, Ali, “Analyzing the Impact of Niching in Multi-Objective Evolutionary Algorithm based on Decompose”, submitted

d. REFEREED CONFERENCE PROCEEDINGS

- **Bazargan Lari, Kimia**, Hamzeh, Ali, Hashemi, Sattar, “Kim: A new structure for optimization problems”, Artificial Intelligence and Signal Processing Conference (AISP), 2017. IEEE, 2017, **Best paper**
- Tahernezhad, Kamyab, Bazargan Lari, Kimia, Hamzeh, Ali, Hashemi, Sattar, “A Multi-Objective Evolutionary Algorithm Based on Complete-Linkage Clustering to Enhance the Solution Space Diversity”, 16th CSI international symposium on Artificial Intelligence and Signal processing, AISP(IEEE) May 2-3, 2012, Shiraz, Iran.
- Bazargan – Lari Yousef, Eghtesad Mohammad, Ghahramani Ahmadreza, Zakeri Ehsan, **Bazargan-Lari Kimia** " A Neural Network Control for 3-D Overhead Gantry Crane System with Uncertain Load Disturbance " 20th Annual International Conference on Mechanical Engineering-ISME2012, 15-17 May, 2012, Shiraz, Iran
- Zare, Mohammad, **Bazargan-Lari, Kimia**, Jampour, Mahdi, Shamsinejad, Pirooz,” Multiple GANs and Its Application for Pseudo-Coloring”, IPRIA 2019(Tehran-Sharif university of Technology)- **Best paper**
- Kazemi, Uranus, Boostani, Reza, Homayouni, Haleh, Bazargan Lari, Kimia,” Internet of Things in the company and its challenges”, 4th International conference on Computer and Electrical Engineering, Feb 2016, American university of Sharjah
- Keshavarzpour, Akbar, Katebi, Seraj Dean, Siyahbazi, Alireza, **Bazargan Lari, Kimia**,” Provide a New Framework Based on Eco-System Security in Cloud Computing”, 6th International Conference on Innovation, Knowledge and Enterprise, Dubai,2017

- Kazemi, Uranus, Homayouni, Haleh, **Bazargan Lari, Kimia**, “Search algorithms and techniques in exploring the Web”, 4th International Conference on Engineering and Humanities, Ukraine, 20-21 July, 2016
- Keshavarzpour, Akbar Siabazi, Alireza, **Bazargan Lari, Kimia**, Homayouni, Haleh,” Identification and Analysis of the Risk of Enterprise Integrated System Based on Fuzzy Decision Making Method”, 4th International Conference on Electrical and Computer Engineering, January 12, 2017 Tehran University, Tehran, Iran
- **Bazargan Lari, Kimia**, “Provide a Novel Method Base on Data Mining Techniques for Direction of Impact Investment on Data Bases”, 3rd International Conference on Innovation in Science & Technology, Aug 26, 2017 in Berlin - Germany

FUNDED RESEARCH PROJECTS

- Collaboration in the research project entitled “Application of multi-objective evolutionary optimization algorithm based on decomposition and multi-criteria decision-making for controlling the pressure and turbine control of hydroelectric power stations” at Islamic Azad University – East Tehran Branch in 2012

TECHNICAL REVIEWER/ EXAMINER for

a. CONFERENCES

- 5th Conference on Information and Knowledge Technology (IKT 2013)
- 24th Iranian Conference on Electrical Engineering (ICEE 2016)
- Artificial Intelligence and Signal Processing (AISP 2017)
- International conference on Pattern Recognition and Image Analysis (IPRIA) (2020)

SKILL SUMMARY

- Excellent troubleshooting and problem-solving skills
- Highly analytical and detail-oriented
- Self-motivated
- Capable of working well independently and in multidisciplinary teams

TRAINING COURSE ATTENDED

- **How to Publish a Scientific Journal Article**, Training Workshop conducted by Springer and Edanz at Islamic Azad University – Marvdasht Branch, in Shiraz, Iran, 2011
- **Programming by MATLAB**, Training Workshop conducted by Young Researchers Club’s Exceptional Talents, Islamic Azad University – Shiraz Branch, Shiraz, Iran, 2009.

COMPUTER SKILLS

- Extensive knowledge in general software: Windows, Microsoft Products (MS Excel, Word, Power Point), Adobe Photoshop and M.S. DOS.
- Extensive knowledge in engineering software:
 - ✓ Programming Languages: MATLAB, PHP, HTML, SQL, Pascal, C++, Python
 - ✓ Software: Dream Weaver
 - ✓ Engineering Drawing: Visio
 - ✓ Artificial Intelligence: ANN(MATLAB), Fuzzy (MATLAB), MOEA-framework, Weka, Rapidminer,
 - ✓ Simulation: Arena
 - ✓ Graphical Software: InDesign, Flash, Photoshop

- Extensive knowledge in programming languages such as MATLAB and LATEX.
- Good knowledge in Internet and web page design.

RESEARCH INTEREST

- All application of Evolutionary Algorithms (Single objective optimization/Multi-Objective optimization/Many-Objective optimization)
- All General Algorithms for Solving Engineering Optimization Problems
- Machine Learning & Data Mining
- Image Processing
- Swarm Optimization
- Fuzzy Logic
- Information Retrieval & Text Mining
- Bioinformatics
- Expert Systems

FIELD OF SPECIALIZATION

Artificial Intelligent

Soft Computing:

- ✓ *Evolutionary Computation*
 - Multi-Objective Optimization Evolutionary Algorithms
 - Many-Objective Optimization Evolutionary Algorithms
 - Swarm Optimization
- ✓ *Machine Learning*
 - Learning Algorithms:
 - Supervised Learning
 - Unsupervised Learning
 - Reinforcement Learning
 - Decision Trees
 - Association Rule Mining
 - Neural Networks
 - Deep Learning
- ✓ *Fuzzy Logic*

Natural Language Processing

- Text Mining
- Fake News Detection

Information retrieval

LANGUAGE

- Persian: Fluent (Native)
- English: Graduated from Iran Language Institute (ILI): Full proficiency in Speaking, Writing and Reading