



Hamid Jazayeriy

I am an assistant prof. at Babol Noshirvani University of Technology with experience in software development and engineering. I have taught some courses related to software engineering (SE) and artificial intelligence (AI). Any intersection between SE and AI can be interesting to me. Agile development is an important issue in my work as well as AI techniques which are necessary for the emergent software.



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Education

2006 – 2011

- **PhD, University Putra Malaysia, Malaysia.**

PhD in Computer Software Engineering

Thesis: *Automated Negotiation in e-Marketplace with Incomplete Information using Multi-Agent Systems*

1997 -2000

- **Master, University of Isfahan, Iran.**

Master in Computer Software Engineering

Thesis: *Prediction and Investment in Tehran Stock Market Using Neural Networks*

1992 - 1996

- **Bachelor, University of Tehran, Iran.**

Bachelor in Computer Engineering

Academic Experience

2001 – 2006

- **University Tutor**

Department of Computer Engineering, Babol Noshirvani University of Technology

2011 -2019

- **University Lecturer**

Department of Computer Engineering, Babol Noshirvani University of Technology

Work Experience

2000 – 2006

- **Software Developer**

Part-Time

2012– 2019

- **Senior Software Engineer**

Part-Time

2002 -2005

- **Administration at University**

2013 -2014

- **Head of Education Administration Office**

2014 -2019

- **Head of Software-Support and Maintenance**

- **IT Manager**

Course Taught

- **Under Graduate**

Software Requirement Analysis
Algorithm Design and Analysis

Software Engineering (Agile Planning)
Advanced Programming

Data Structures
AI and Expert Systems

- **Post Graduate**

Machine Learning
Research Methods

Distributed Operating Systems
Management Information Systems

Game Theory

Research Interests

- Machine Learning and Data Mining
- Rapid Application Development
- Systematic Software Requirement Analysis
- Multi-agent Systems (Automated Negotiation)
- Heuristics Algorithms
- Intrusion Detection Systems
- Recommender Systems (with Cold Start)

Supervised Research Projects (post graduate students)

- Negotiation Under uncertainty
- Intrusion Detection Using Data Mining Techniques
- Anomaly Detection in Big Data
- Image Processing for Cancer Detection
- Detection of Health Disease using Data Mining
- Task Scheduling in Cloud environment using Soft-computing Techniques
- Simultaneous Localization and Mapping (SLAM) using Estimation Techniques

Software Development

- **Current project**
 - **AgileLab**: a web-based project management application for *agile* developers. Designed for undergraduate students to learn and practice agile concepts while analyzing software requirement and project planning.
- **Completed**
 - Office Automation
 - Payroll

Academic Activities

- **Editorial Board**
 - Journal of Soft Computing and Information Technology (2017-2019)
- **Conference PC member**
 - IKT 2012 (4th International Conference on Information and Knowledge Technology)

Publications

[1], [2], [11]–[13], [3]–[10]

- [1] N. Chitgar, H. Jazayeriy, and M. Rabiei, "Improving Cloud Computing Performance Using Task Scheduling Method Based on VMs Grouping," in *2019 27th Iranian Conference on Electrical Engineering (ICEE)*, 2019, pp. 2095–2099.
- [2] R. Kheirollahpour, H. Jazayeriy, and M. Rabiei, "A Heuristic-based Task Scheduling Method for Reducing Waiting Time in Cloud Environment," in *2019 27th Iranian Conference on Electrical Engineering (ICEE)*, 2019, pp. 1884–1888.
- [3] H. Jazayeriy, S. Bakhtar, and M. Valinataj, "aPaRT: A Fast Meta-Heuristic Algorithm using Path-Relinking and Tabu Search for Allocating Machines to Operations in FJSP Problem," *Intel. Artif.*, vol. 21, no. 61, pp. 111–123, 2018.
- [4] H. Jazayeriy, S. Mohammadi, and S. Shamshirband, "A Fast Recommender System for Cold User Using Categorized Items," *Math. Comput. Appl.*, vol. 23, no. 1, p. 1, Jan. 2018.
- [5] S. Zakariapour, H. Jazayeriy, and M. Ezoji, "Mitosis detection in breast cancer histological images based on texture features using adaboost," *J. Inf. Syst. Telecommun.*, vol. 5, no. 2, 2017.
- [6] Z. Sadeghi, H. Jazayeriy, and S. Fateri, "A Low Complexity ANFIS Approach for Premature Ventricular Contraction Detection Based on Backward Elimination," *J. Adv. Comput. Res.*, pp. 35–48, 2016.
- [7] M. Valinataj, M. Mirshekar, and H. Jazayeri, "Novel low-cost and fault-tolerant reversible logic adders," *Comput. Electr. Eng.*, vol. 53, pp. 56–72, Jul. 2016.
- [8] S. Bakhtar, H. Jazayeriy, and M. Valinataj, "A multi-start path-relinking algorithm for the flexible job-shop scheduling problem," in *2015 7th Conference on Information and Knowledge Technology, IKT 2015*, 2015.
- [9] H. Jazayeriy, N. Sulaiman, N. I. Udzir, and M. Azmi-Murad, "Generating Pareto-Optimal Offers in Bilateral Automated Negotiation with One-Side Uncertain Importance Weights," *Comput. Informatics*, vol. 31, no. 6, 2013.
- [10] Z. Kermansaravi, H. Jazayeriy, and S. Fateri, "Intrusion Detection System in Computer Networks Using Decision Tree and SVM Algorithms," *J. Adv. Comput. Res.*, vol. 4, no. 3, pp. 83–101, 2013.
- [11] H. Jazayeriy, M. Azmi-Murad, M. N. Sulaiman, and N. I. Udzir, "A review on soft computing techniques in automated negotiation," *Sci. Res. Essays*, vol. 6, no. 24, 2011.
- [12] H. Jazayeriy, M. Azmi-Murad, N. Sulaiman, and N. I. Udzir, "Pareto-optimal algorithm in bilateral automated negotiation," *Int. J. Digit. Content Technol. its Appl.*, vol. 5, no. 3, 2011.
- [13] H. Jazayeriy, M. Azmi-Murad, N. Sulaiman, and N. I. Udzir, "The learning of an opponent's approximate preferences in bilateral automated negotiation," *J. Theor. Appl. Electron. Commer. Res.*, vol. 6, no. 3, pp. 65–84, 2011.