Curriculum Vitae

Fatemeh Halataei-Iranian

Faculty member of University
School of Mathematics, Statistics and Computer Science
Semnan University
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RESEARCH INTERESTS

- Approximation Algorithms
- Parallel algorithms and computation
- Theory of computation
- Big data
- Cloud Computing
- Data Analysis
- Machine Learning
- Bioinformatics
- Pre-distribution key in wireless sensor networks

EDUCATION

2008 – 2010   **Tarbiat Modares University, Tehran, Iran**
Department of computer science
M.Sc. of Computer Science, Theory of Computation

- GPA: 19.29/ 20
- Thesis: Finding Generalized Center String based on Parallel Topologies, Advisor: Dr. Hamid Haj Seyyed Javadi (Defended with Grade 19.5/20)

2004– 2008   **Shahid Beheshti University, Tehran, Iran**
Department of Mathematics and Computer Science
B.Sc. of Computer Science

- GPA: 15.66/ 20

PUBLICATIONS

- F. S. Halataei, H. Haj Seyyed Javadi, "SIMD Bpriori Algorithms", UKSim Fourth European Modelling Symposium on Computer Modelling and Simulation, ems, pp. 357-362, 2010
- Fatemeh halataei, Amir Kazem Kayhani, "Optimizing NAO humanoid walking using ABC algorithm", 2015 IEEE 2nd International Conference on Knowledge-Based Engineering and Innovation (KBEI) 1142-1144, Nov 2015.
- Shamsi, Miremadi, Halataei, "Identifying viruses based on n-gram files" in Farsi, 2nd International Conference on Combinatorics, Cryptography and computation (i4c), pp. 363-370, December 2017.
- Martin. John C., Introduction to Languages and the Theory of Computation, 4th ed., MacGraw-Hill, 2011, translated Fatemeh Halataei, Maral Salehi, Semnan University Pressed, 2016.

SKILLS

- Spoken Languages: fluent in English and Persian

- Professional Skills:
  - o Experienced with:
    - Programming Languages: C, C++, C#, JAVA
    - Professional Applications: Matlab, Maple, Microsoft Visual Studio, SQL server, Rational Rose
  - o Familiar with:
    - Programming Languages: Python
- Social Skills
  - o Faculty Member of Semnan University (September 2011-Present)
  - o Member of the Executive committee (International Relationships section) of the 45th International Mathematic Conference held in Semnan University, Summer 2014.
- Extracurricular Activities:
  - Sports: Tennis, jogging

TEACHING AND PROFESSIONAL EXPERIENCES

- Teaching in Universities (Since 2010)
  - o Undergraduate Courses:
    - Analysis and design algorithm
    - Theory of automata and languages
    - Computation Theory
    - Fundamental of computer
    - Principles of Operating Systems
    - Programming Languages
    - Advanced programming
    - Discrete mathematics
    - Computer simulation
    - Database Lab
- Work:
  - o Faculty Member of University, Semnan University, Semnan, Iran

TAKEN COURSES IN M.SC.

- Advanced computation theory
- Logic programming
- Parallel algorithms
- Theory of Complexity
- Model Checking
- Seminar

HONORS AND AWARDS

- Ranked first among the M.Sc Computer Science students of the same enrollment year, Tarbiat Modares University, Tehran, Iran, 2010.
- Selective lecturer of Computer Science Department, Semnan University, Semnan, Iran, 2012.
- Superior lecturer of Computer Science Department, Semnan University, Semnan, Iran, 2014.