

Seyed Mehdi Vahidipour

Curriculum Vitae

Contact

Department of Computer Engineering
School of Engineering
University of Kashan
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Education

PhD, Computer Engineering, Started September 2010.
Amir Kabir University of Technology
Tehran, Iran

M.S., Computer Engineering, 2003.
University of Shiraz
Shiraz, Iran
GPA: 16.98 out of 20.0

B.S., Computer Engineering, 2000.
Azah Islamic University
Kashan, Iran
GPA: 15.15 out of 20.0

Publications

1. S. M. Vahidipour and Gh. Vakili-Nezhaad, *Application of Parametric L-Systems to Generate the Figures of Two Series of Spherical Fullerenes*, International Journal Of Nanoscience and Nanotechnology, Vol. 6, No. 2, pp. 71-77, June 2010.
2. M. Romozi, S. M. Vahidipour, H. Babaei, *Improvement of connectivity in mobile ad hoc networks by adding static nodes based on a realistic mobility*. The 2nd International Conference on Machine Vision (ICMV 2009), Dubai, UAE, December 2009.
3. S. M. Vahidipour. *Study of Different Open-Addressing Hash function Performance for Data Storage and Retrieval of Persian Words Database*. Iranian Conference on Electrical Engineering (ICEE2009), Tehran, Iran, 2009.
4. A. Farzanegan and S. M. Vahidipour. *Optimization of communication circuit simulations based on genetic algorithms search method*. *Minerals Engineering*, Vol. 22, No. 7-8. (June 2009), pp. 719-726 .
5. A. Navab-Kashani and S. M. Vahidipour. *Multi-Objective Optimal Communication Spanning Tree (OCST) problem Using Genetic Algorithm*. The 13th Computer Society of Iran Computer Conference CSICC2008, Iran, 2008.
6. A. Hajehforoosh and S. M. Vahidipour. *The L-Systems Compiler design, Using Genetic Algorithm*. The 13th Computer Society of Iran Computer Conference (CSICC2008), Iran, 2008.
7. S. M. Vahidipour and G. R. Vakili-Nezhaad. *Application of Parametric L-Systems to Generate the Figures of Two Series of Spherical Fullerenes*. First Conference and workshop in Mathematic and Chemistry(FCWMC2008), Tehran, Iran, 2008.

8. G. R. Vakili-Nezhaad, S. M. Vahidipour and M. Dargahi, *Three Phase Flash Calculations Using Genetic Algorithm Approach*. The First Conference and workshop in Mathematics and Chemistry (FCWMC2008), Tehran, Iran, 2008.
9. A. Farzanegan and S. M. Vahidipour. *Integration of Evolutionary Optimization Algorithms with a Grinding Circuit Simulator*. Comminution '08, Falmouth, Cornwall, UK, June, 2008.
10. A. R. Ghasemi, S. M. Vahidipour and M.H Hajmohammad. *Optimization of Stacking Sequence of Composite Laminates for Reduction of Residual Stresses by the Genetic Algorithm*. The First International Conference on Composites: Characterization, Fabrication, and Application (CCFA1), Iran, December 15-18, 2008.
11. S. M. Vahidipour, H. Sabaghian B. and G. Vakili-nejhad, *Generate of the Figures of Some Fullerenes by Using L-Systems*. *Croat. Chem. Acta (CCACAA)* 81 (2) 341-345 (2008), ISSN-0011-1643, 2008.
12. H. Sabaghian B., Gh. Vakili-nejhad and S. M. Vahidipour, *Prediction of The Number of the Carbon Atoms in Different Nanostructures by Using Geometrical Approach*. *Croat. Chem. Acta (CCACAA)* 81 (2) 351-361 (2008), ISSN-0011-1643, 2008.
13. S. M. Vahidipour, H. Shirazi and B. Minaei. *Study of Hash Function performance for data storage and retrieval of Quran commentaries database*. The 12th Computer Society of Iran Computer Conference (CSICC2007), Iran, 2007.
14. S. M. Vahidipour and B. Minaei. *Using Genetic Algorithms for multi-objective automated Graph Drawing*. International conference on Artificial Intelligence (ICAI'06), Volume 1, Las Vegas, June, 2006, pp:217-223.

Experience

9/2003-Present

Instructor

Department of Computer Engineering
University of Kashan
Kashan, Iran

- *Courses Taught:*

Evolutionary Computation, Computer Programming, Data Structures, Information Storage and Retrieval, Graphics, Algorithms, Discrete Mathematics, Artificial Intelligent, The Basic Principles of Computer and Programming, Theory of Automata, Formal Languages and Computation, Software Engineering.

04/2006-Present

Adjunct Researcher

Noor Research Center of Noor
Qom, Iran

- *Projects:*

Information retrieval in Islamic and Cultural domain (Design Phase)

9/2004-4/2006

Adjunct Instructor

Payam Noor University
Aran-Bidgol, Kashan, Iran

- *Courses Taught:*

Computer Programming, Data Structures, Information Storage and Retrieval, Algorithms, The Basic Principles of Computer and Programming, Formal Languages and Computation.

Research Projects

- *Using of L-System for drawing nanostructures: The University of Kashan, Completed.*
- *The Short- and Long-time plans in the Culture and Religion domains: Supreme Council for Information and Communication Technology of Iran, Completed.*

- ***Development of Language and handwriting skills in Persian at ICT Domain:*** Supreme Council for Information and Communication Technology of Iran, Completed.
- ***Compiling technology-related reports on the indigenous and international information and documents database:*** Supreme Council for Information and Communication Technology of Iran, Completed.
- ***Compiling technology-related reports on the "database of firms":*** Supreme Council Information and Communication Technology of Iran, in progress.

Computer Skills *Programming languages: C, C++, C#, MATLAB, Visual Basic.*

Languages *English (Fluent), Persian (Native).*