

Golnar Gharooni Fard

Apt. 3, 3300 Madison Ave. Boulder, CO. 80303

golnar.gharoonifard@colorado.edu

EDUCATION

University of Colorado, Boulder, USA [2018 – present]

PhD. of Computer Science

Area of Concentration: Complex and Dynamical Systems

Advisors: Elizabeth Bradley, Orit Peleg

ISLAMIC AZAD UNIVERSITY, ARAK, IRAN [2006 – 2009]

M.Sc. of Computer Architecture

Area of Concentration: Applied Chaos and Optimization

Thesis: Evaluating the performance of different chaotic equations in solving the NoC mapping problem.

ISLAMIC AZAD UNIVERSITY, MASHHAD, IRAN [2001 – 2006]

B.Sc. of Computer Engineering

Area of Concentration: Computer Hardware and electronics

Thesis: The design and implementation of smart control boards used for remotely monitoring electronic farms.

TEACHING EXPERIENCE

University of Colorado, Boulder, Computer Science Dept. [Fall 2018 – present]

Teaching Assistant – Computer Systems

Ghadir Higher Education Institute, Computer and Electronics Dept. [Fall 2014 – Fall 2016]

Lecturer – Computer Architecture, Assembly Programming

University of Applied Sciences and Technology, Tehran, Computer Dept. [Spring 2012 – Fall 2014]

Lecturer – Computer Networks, Discrete Mathematics, Assembly Language

Islamic Azad University, Damavand, Computer Engineering Dept. [Spring 2012 – Fall 2013]

Lecturer – Computer Networks, Operating Systems

Ferdows Higher Education Institute, Mashhad, Computer Engineering Dept. [Fall 2010 – Fall 2012]

Lecturer – Introduction to Programming, Data Structures

RESEARCH EXPERIENCE

Research Assistant – Islamic Azad University [2008 – 2010]

Research focus: Network-on-Chip, computational optimization

Research Assistant – Peleg Lab, CU-Boulder [2018 – present]

Research focus: Collective behavior in honeybee swarms

MENTORSHIP EXPERIENCE

High School students Mentor [July 2019]

CU-Boulder Science Discovery's STEM Research Program

VOLUNTEER EXPERIENCE

Translator [2014 – present]

– Coursera.org, TED.com

POSTERS

On the Efficiency of Food Exchange via Trophallaxis; An Agent-Based Approach

3/20/2019

G. Gharooni Fard, E. Bradley, C. Gorgemans, O. Peleg

SIAM Conference on Applications of Dynamical Systems, 2019, Snowbird, UT

PRESENTATIONS

Modeling Trophallaxis Behavior in Honeybees

2/11/2018

G. Gharooni Fard, E. Bradley, O. Peleg

SINNERS 2018, Drexel University, Philadelphia, PA

SELECTED PUBLICATIONS

1. *A new Approach to Network on Chip Mapping Problem Using Chaos Genetic Algorithm.*

Gharooni Fard, G. Moein-Darbari, F.

Book chapter in “Computational Optimization and Application in Engineering and Industry”, Yang, X.S. Koziel, S. (eds.) pp. 245-270, Springer, 2011.

2. *Scheduling of Scientific Workflows Using Chaos Genetic Algorithm.*

Gharooni Fard, G. Moein-Darbari, F. Deldari, H. Morvaridi, A.

Presented at International Conference on Computational Science (ICCS2010), Amsterdam, Netherlands.

Published in Procedia Computer Science, Vol.1, No. 1, pp.1445-1454.

3. *Evaluating the Performance of Chaos Genetic Algorithm in Solving NoC Mapping Problem.*

Moein-Darbari, F. Khademzade, A. **Gharooni Fard, G.**

In proceeding of IEEE International Conference on Computational Science and Engineering, Vancouver, Canada.

Vol. 2, pp. 366-373.

4. *Evaluating the Performance of One-dimensional Chaotic Maps in NoC Mapping Problem.*

Gharooni Fard, G. Khademzade, A. Moein-Darbari, F

IEICE Electronic Express, Vol. 6, No. 12, pp. 811-817.

5. *CGMAP: A New Approach to NoC Mapping Problem.*

Moein-Darbari, F. Khademzade, A. **Gharooni Fard, G.**

IEICE Electronic Express, Vol. 6, No. 1, pp. 27-34.