

Curriculum Vitae

Last Name: **Karimi**

First Name: **Elham**

Contact Information:

E-mail: ekarimi2000@yahoo.com

Personal Information

Marital status: Single

Nationality: Iranian

Date of Birth: 16 December 1977

Gender: Female

Education

2001-Present

M.Sc in BioMechanics

Sharif University of Technology, Tehran, Iran

Grade Point Average (2001-2002): 18.4 out of 20

1997-2001

B.Sc in Applied Mechanics

Sharif University of Technology, Tehran, Iran

Grade Point Average (1997-2001): 17.8 out of 20

3rd Rank amongst 140 Department Alumni (2001)

1993-1997

Mathematics Diploma

National Organization for Development of Exceptional Talents (NODET), Tehran, Iran

Academic Work Experience

- Lab Assistant for the Physiological Group of Tarbiat Modares University, 3/2002-Present
- Holding some seminars about Organization in Sharif University, Fall 2001
- Teaching Assistant for the course “ Autocad ”, Summer Semester 1999

Academic Accomplishment

- Development of Novel Trunk Muscle Exercise for Stabilization of Spine Using Biomechanical Modeling
Supervisor: Dr.M.Parnianpour
- Optimizing the Agricultural Products' Packaging in Iran
Supervisor: Dr.A.Meghdari and Dr.D.Naderi
- Design a Virtual Reality Active Environment for Deformation of a Tissue
Supervisor: M.Narimani (Eng)
- Biomechanical Simulation of Human Function on Loading
Supervisor: Dr.M.Parnianpour
- Dynamic Simulation of CNC Wire Stripper
Supervisor: A.R.Darehbaghi (Eng)
- Optimally Design and 3 Dimensional Simulation of an Under Water ROV (Remotely Operation Vehicle) with a Mechanical Manipulator,
Supervisor: Dr.A.Meghdari and Dr.G.R.Vossoughi, BSc Thesis

Industrial Experiences

- 02/2002-10/2002, Automation and Exploitation of systems, Tehran, Iran
Research in Fuel Consumption Optimization in Agricultural Machines
- 02/2000-02/2001, Vegetable chopper Workshop, Tehran, Iran
Design and Fabrication of Vegetable chopper
- 07/2000-09/2000, Mangan Co, Tehran, Iran
Research and Investigation of fuel injection System
- 07/1999-09/1999, Ghods-Niroo Co, Tehran, Iran
Thermocouple Design for Steam Boilers

Student Activities

- Fall 2001, Member of Creativity Association in Sharif Entrepreneur Center
- Summer 1999, Body Student activities office, Project Manager of Pressure vessel Design
- Summer and Fall 1999, Body student activities office, Director of Scientific Internal bulletin

Research Interests

- System Dynamics
- Numerical Methods in engineering
- Control Systems
- Applied Artificial Intelligence (Neural-Network)

Computer and Programming Skills

- Good work experience with MATLAB, Mechanical Desktop, Office, ANSYS, SPSS
- Familiar with GAMS