

Mohammad Homayunpour

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TaarLab.com

EDUCATION *Bachelor of Science, Mechanical Engineering*
Shahrood University of Technology (SUT), Shahrood, Iran, 2007-2011
Concentration: Fluid Mechanics and Heat Transfer, GPA: 15/20

Master of Science, Mechatronics Engineering
University of Tehran (SUT), Tehran, Iran, 2011- present
Concentration: Static and Dynamic Balancing, GPA:17/20

COMPUTER SKILLS *Computer algebra system: Matlab, Maple*
Engineering software: Adams, SolidWorks, Fluent, Gambit, ANSYS (certificated)
Programming languages: FORTRAN.

EDUCATIONAL EXPERIENCE *Static Balancing of Mechanisms* 2013
Human-Robot Interaction Lab., Faculty of New Sciences and Tech., UT

- Design, innovation and manufacturing 3-RRR static balance mechanisms,
- Design and innovation of 3-PRR and 3-RPR planar static balanced mechanisms,
- Design and innovation of STEWART static balanced spatial mechanisms.

Static Balancing of Parallel Mechanisms with Variable Weights fall 2012
Human-Robot Interaction Lab., Faculty of New Sciences and Tech., UT

- Design static balance mechanisms with capacity of compensate variable,

Dynamic Balancing of Mechanisms Summer 2013-Present
Human-Robot Interaction Lab., Faculty of New Sciences and Tech., UT 2012- 2013

- Simulating 4-bar dynamic balanced mechanisms.

Funding for Educational Dental Haptic Simulator Winter 2012- within 2monthes
Human-Robot Interaction Lab., Faculty of New Sciences and Tech., UT 2012- 2013

- Funding from Ministry of Health and Medical education, 200,000 Dollars,
- General understanding about haptics.

Designing Dental Documentation Winter 2013
Atiye Salamat Iranian, Dental Widespread Services, Tehran, Iran

- Designing and Developing the most practical dental documentation,
- Applying and developing practical dental documentation network on the web.

Wake Effects of First Body on Behind Bodies Summer 2010
Mechanical Engineering Department, SUT, Shahrood, Iran

- Numerical Simulation on Fluent(Bachelor Science Thesis).

Designing and manufacturing the scanner mechanism of the Nano layers' baking system Summer 2012

Faculty of New Sciences and Tech., UT

- Designed and performed a mechanical system,
- Controlled the mechanism to generate a specific motion.

CORE STRENGTH

Creativity, Problem solving skill, Multitasking, Leadership skill, Communication skill, Strategic and analytical thinking.

RESEARCH INTERESTS

Static and Dynamic Balancing of Serial and Parallel Robots, Robotics, Haptics, Bio Mechanics, Dental Programs, Rehabilitation Mechanisms, Manufacturing Projects, Hydraulic and Pneumatic Mechanisms, Practical projects, Fluid Mechanics.

JOB EXPERIENCES

IT manager and consultant 2012-present
Atiye Salamat Iranian, Dental widespread Services, Iran, Tehran

- Create the most practical dental documentation,
- Developing the most practical dental documentation website.

Cooperation with Mechanical test Lab. 2010-2012
SAPCO, IranKhodro, Tehran, Iran

- Work experience with measuring mechanisms, CMM, Profile Projector, Torque meter and other test devices,
- Programing and operating Measuring Friction of Bolt and Nut Test device and change the device function for other operations and purposes.

Quality Control Expert August September, 2011
CNG assembling, Energy Research Center, Tehran, Iran.

CNG assembling and Winding Five summers 2003-2010
Kosar Bubin Sanat, Tehran, Iran.

HONOR and AWARDS

Ranked 176 among more than 50000 participants in national entrance examination of the universities for mechatronics engineering master period and accepted with full scholarship. Summer 2011

Involving in student branch of the First International Conference on Robotics and Mechatronics (ICRoM), Tehran, Iran, May 2012- present

LANGUAGES

English (TOEFL IBT score:90)
Persian: Native
Arabic: Fair

HOBBIES

Swiming, Soccer, Basketball, bungee jumping, Jet Skiing, Social meetings

REFERENCES

- Dr. Mehdi Tale Masouleh mehdi.tale.masouleh@gmail.com
- Dr. Mohammad Jafari m_jafari@shahroodut.ac.ir
- Atiye Salamat Iranian www.atisai.com