

IJENS-RPG [IJENS Researchers Promotion Group]
CURRICULUM VITAE (CV)

**Personal Details:****Name & Family:** Jafar Aghazadeh**Age:** 28**E-mail 1:** agazadeh_jafar@yahoo.com**E-mail 2:** teknik.yrt2009@gmail.com**Address:** Golgasht Cross-Azady Ave.TABRIZ-IRAN.**Fax:** 0098-411-3364771**Tel:** 0098-411-3364771**Website:** www.prazco.com**Marital Status:** Single**Nationality:** Iranian**Date of Birth:** Monday, May 19, 1985**Place of Birth:** Bonab - Tabriz**Passport No:****Postal Code:** 5165639861**Mobile:** + 98 9141769168-+989397871714 **Iran - Tabriz****Position:** Electronics Engineering**Education:** **Islamic Azad University of Tabriz****December 2012, Present**

Graduated from Islamic Azad University of Tabriz

Khaje nasir High School, Bonab, Iran, 2002-2005, Diploma in Experience Science

➤ Fields of Interest:

1. Robotics and Mechatronics
2. Medical Robot and Invent New Medical & Dentist Equipment
3. Mobile Robot Design and Navigation
4. Biorobotic
5. Image Processing
6. Artificial Intelligence
7. Agricultural Robot
8. Dynamic Systems, Modeling, Simulation, Identification and Control
9. Advanced Dynamics & Mechanics
10. Automatic Solid Modeling

➤ Publication book:

Professional edition with a circulation of 3,000 volumes and” Signal Analysis Systems” in Electrical Engineering branch - Publishing Forouzesh

➤ **Inventions:**

1. Smart Steering control car at high speeds
2. Modern thermal mask for patient breathing in the cold air and exercise.
3. Design and construction of the light passing through concrete.
4. Design and fabrication of polymer nanotubes - composite for water transfer
5. Innovative systems for the treatment of joints Physiotherapy
6. Smart network using a wireless gas detector
7. Design and manufacture of crystalline water-impermeable concrete attacker
8. Design and build systems and processes that drive heat to relieve pain.
9. Intelligent control system for pressure fluid transmission lines.
10. Smart Digital Wash hands for war veterans and disabled members.
11. Modern Electronic Library Automation.
12. Heat and vibration excitation of computer systems for the study of pain.
13. Taken electronic digital pipette volume
14. Modern headphones with active noise attenuation system.
15. Physiotherapy device for continuous passive motion of the elbow and finger function

➤ **Publication papers:**

1. Hebbian model of competition through STDP - Twelfth Conference on Electrical Engineering, Islamic Azad University of Tabriz , August ,2010
2. Mathematical models of networks of neurons SPIKING synaptic delay Ptastysyth - Twelfth Conference on Electrical Engineering, Islamic Azad University of Tabriz, August, 2010
3. An analytical model is developed for functional electrical stimulation - Twelfth Conference on Electrical Engineering, Islamic Azad University of Tabriz, August, 2010
4. The role of NMDA receptors in the spinal cord and pain modeling the phenomenon Wind-up, Twelfth Conference on Electrical Engineering, Islamic Azad University ,August, 2010
5. Design and construction of detectors, intelligent sensitivity to a variety of dangerous gases - Twelfth Conference on Electrical Engineering, Islamic Azad University of Tabriz, August, 2010
6. Designing DC- DC converter for matched two-way multi-stage charging cycle battery and fuel cell - Fifth Fuel Cell Seminar Tarbiat Modares University, 26-27 February 2012,
7. Digital System Design and washing hands- Fifteenth Iranian Student Conference on Electrical Engineering - University of Kashan, 7-9 September, 2012
8. Optimization of fuel cell power systems for portable applications - Distributed Generation Renewable Energy Conference Technical College of Tehran University ,Feb ,2012
9. Single-input, high-frequency transducer for use in fuel cells DC_DC
Shahid Rajae Teacher Training University Fuel Cell Seminar of Iran ,December, 2011
10. Continuous passive motion device design and manufacturing of knee and hip
Thirteenth Conference of Electrical Engineering, Tarbiat University, Tehran – Iran September 2010
11. Power conditioning of fuel cell systems in portable Applications
The Fifth Fuel Cell Seminar of Tehran University, February 2012
12. Design and construction of a new device for continuous passive motion of the elbow and fingers

Rehabilitation Engineering Conference of Social Welfare and Rehabilitation Sciences University, Tehran- Iran, May, 2011

13. Series connected DC-DC power converters for the production of low voltage DC source distribution

Iranian Conference on Electrical Engineering and Electronics, Islamic Azad University Gonabad, July, 2011

14. A review of the smart power strategy based on industrial aluminum electrolysis cells

Third Iranian Conference on Electrical Engineering, Islamic Azad University on Gonabad, July, 2011

15. Design and construction of a new device for continuous passive motion of the elbow and shoulder. Third Iranian Conference on Electrical Engineering, July, 2011

16. New arms control using the wireless smart mines

Fifteenth Iranian Student Conference on Electrical Engineering - University of Kashan, September, 2012

16. Vital signs monitoring system using a network of wireless mobile

Fifteenth Iranian Student Conference on Electrical Engineering - University of Kashan, September, 2012

➤ **Best Honors and Awards and Scholarships**

1. The gold medal in the Grand Prix tournament receive patents Belgium, Brussels, 2009-2010

2. East Azerbaijan province named inventor on seven patents Festival, November, 2007.

3. Ranked first in the eighth festival patents, inventions and innovations East Azerbaijan Province, April, 2008

4. Top authors inventors and authors of the Eighth Conference on Science and Technology, East Azerbaijan Province, December, 2008

5. Distinguished Researcher of Young Researchers Club, Tabriz. December, 2007

6. Best Inventor of East Azerbaijan, November, 2007

7. Top Inventor Inventors Conference Celebrating the Art of East Azerbaijan Province December, 2007

8. Researcher East Azerbaijan in, September, 2008

9. Second place at the Eighth Festival of students, inventors and innovators, December, 2009

10. Innovation first place, the second Olympiad inventors, innovators, entrepreneurs, Islamic Azad University, October, 2012

11. Young of East Azerbaijan Province, November, 2009

12. Top articles in Business Fifteenth Conference of Electrical Engineering, University of Kashan - Esfahan, August, 2012

➤ **Leadership:**

1. Leader of payam nor university Robotic Student Laboratory

2. Leader of Islamic Azad University International Tabriz Branch Robotic Group

3. Leader of Tabriz Robotic Group

4. Leader of Tabriz Girl's Robotic Group

5. Leader of MPR Group (Sama high school Professional Robotic Team)

➤ **Membership:**

1. Power of Association

2. Iranian Inventors Association
3. Founding member of the elite support
4. Member of Young Researchers Club
5. Member of the East Azerbaijan Park of Science and technology
6. Member of Iranian Association of Electrical Electronics Engineers
7. Student Researchers Club of Iran
8. Member of International Federation Invention Association (IFIA)
9. Member of International Iranian Inventors Elites Institute (IIIEI)
10. Member of Young Research Committee in Iran (YRC)
11. Member of Islamic Azad University of Tabriz, Branch Robotic & Mechatronic Group
12. Member of Shahreza Caveandish Robotic Group in International Robocup 2011 IranOpen Competition in Tehran

➤ **Teaching Assistantship:**

1. FarzaneganSampad High School in Tabriz, – Robotic Courses
2. Emam Reza Mechatronic & Robotic Student Laboratory in Tabriz, – Robotic and Mechatronic Courses
3. Islamic Azad University International Tabriz, Branch – Robotic and Mechatronic Courses
4. SayarIstitute in Tabriz, – Robotic and PLC Courses

➤ **Languages Ability:**

1. English Languages (Reading, Writing, Speaking, Listening), Fluent
2. German Language (Reading, Writing, Speaking, Listening), Good
3. Persian languages (Reading, Writing, Speaking, Listening), Fluent, Native
4. Turkish Languages (Reading, Writing, Speaking, Listening), Fluent
5. Azeri Language (Reading, Writing, Speaking, Listening), Fluent
6. Arabic Language (Just Reading, Writing and Listening), Very Good

➤ **Computer Skills and Engineering Software:**

1. Programming: C, C++, C#, Visual Basic, Java, Bascom Avr , CodevisionAvr
2. Solid works
3. PLC [Logo!-S7.300-400] Programming Languages (Ladder, STL)
4. Software Package: Microsoft Office, Microsoft Windows
5. Graphic Package: Photoshop
6. Protel DXP (PCB Design, Circuit, Analysis)
7. Proteus (PCB Design, Circuit, Analysis)
8. MATLAB

➤ **Work Experiences:**

1. Manager poyarahbord Azerbaijan Company in East Azerbaijan Park of Science and Technology

➤ **Graduated Course:**

1. PLC Logo! Siemens Graduated in QeshmVoltage, Iran, Tehran, 2010 for Outstanding Performance and Lasting Contributions on Siemens
2. PLC S73001st Course Siemens, Iran, Tabriz, 2010 for Outstanding Performance and Lasting Contributions on Siemens
3. PLC S7300 2nd Course Siemens, Iran, Tabriz,, 2010
4. Successfully Completed English Levels in English as a Foreign Language at Iranian Academic Center for Educating, Culture and Research (ACECR), 2006

