Curriculum vitae

ALIREZA REZAEE

arrezaee@ut.ac.ir

Positions Held

2013-present   Assistance professor, department of system and mechatronics engineering in new sciences and technology faculty at University of Tehran.
http://en.fnst.ut.ac.ir/membership/profile/arrezaee/

EDUCATION

Amirkabir university of technology, electrical engineering department, Tehran,IRAN
PhD in electrical engineering   2005-2011
Thesis: Modeling of mobile robot behavior by using dynamic Bayesian network (DBN) (Grade:A).

Amirkabir university of technology, electrical engineering department, Tehran,IRAN
M.S in electrical engineering   2002-2005
Thesis: Implementation and designing of PCI board for speed and position control of mobile robot(Grade:20 out of 20).

Sharif university of technology, electrical engineering department, Tehran, IRAN
B.S in control engineering   1997-2001
Thesis: Implementation and designing of Bioreactor (Fermantor) for controlling of chemical process (Grade:20 out of 20).

RESEARCH INTERESTS

- Robotic, mobile robot, Artificial intelligence, machine learning, multi agent
- Fault detection, fault isolation
- Mechatronics, electromechanical design
- Modeling of Learning,inference,optimization
- Control, Instrument
- Navigation
- surgery and medical robotics.
- radar

Awards and Honors

- Using of facilities that covered by the National Foundation for Iranian elites and innovators

- Ranked 1th of Mazandaran province in scientific match in 1992-1996
- Ranked 4th of IRAN in scientific match in 1994
- Iran's silver medal in mathematical Olympiad in 1995
- elected Iranian Physics Olympiad in 1996
- ranked 8th university entrance examination(concuor) in 1997
- Prize of Schlom Berger as the best undergraduate project at Sharif University of Technology in 2001 and its registration as a patent
- Excellent PhD Student (average 19. 18 out of 20)
- Ranked 1th of selected university's students in IRAN in 2010
- The best researcher at Sabojbolagh city in 2010.
- Ranked 2th in IRAN at 9th festival of inventors and innovator university's students in 2011
- Selected of Science and Technology Alborz Festival in 2011.
- Awards for inventions in the Regional Festival of Koohrang in 2011.
- Awards from the 17th and 18th festival of student year's book from Jahad University.
- Ranked 2th in IRAN at 9th festival of inventors and innovator university's students in 2012
-

Cultural honors
- Premier and Secretary of the association elected elite Bahman Cultural Center of the Tehran Municipality Art and Cultural Organization in 2011.

Reviewer of
Journal
- IEEE transactions on evolutionary computation

Arbitration Conference:
• Thirteenth Conference of Iranian Aerospace Society, University of Tehran.

Publications
Journal papers
- Alireza Rezaee, "*FPGA Implementation of Digital PID*" , ̅APPL.COMPUT.MATH.,VOL.5, NO.1, ,Azerbaijan, APRIL2006, ISSN 1683-3511, pp113-118 **(ISI)**
- Alireza Rezaee, "*PSO for fuzzy goal programming*", APPL.COMPUT.MATH, VOL.5, NO.2, Azerbaijan, December2006, ISSN 1683-3511, pp218-226. **(ISI)**
- Alireza Rezaee, "*EXTRACTING EDGE OF IMAGES WITH ANT COLONY*" (Journal of Electrical Engineering, Slovakia, VOLUME 59, No.1, 2008, ISSN 1335 – 3632, pp57-59. **(ISI)**

- Alireza Rezaee, **"*fuzzy clustering for uncertainty and ambiguity resolution*"**, journal of medical engineering, IRAN, VOL.11, no.23, 2006, pp 78-81.
- Alireza Rezaee,"*Using genetic algorithm in guided missiles*", MJME journal, VOL.1, no 2, 2007, pp 67-72(in Farsi)(scientific-research)
- Alireza Rezaee, **"*Genetic symbiosis algorithm generating Test data for constraint automata*"** APPL.COMPUT.MATH.,VOL.7, NO.1,Azerbaijan, APRIL2008 ISSN 1683-3511, pp126-137,**(ISI)**
- Alireza Rezaee, **"*Using of Coevolutionary Algorithm on P2P networks*"**, Serbian journal of electrical engineering Vol.6,No.1, Serbia, May 2009,ISSN 1451-4869, pp 43-55.
- Alireza Rezaee, "*using genetic algorithm to minimize power consumption in a coding system for processor instructions*", Journal one and zero, Vol.2, no.3, 2009, pp 36-39.(in Farsi)
- Alireza Rezaee, **"*Using of Particle Swarm for control of Helicopter*"**, Serbian journal of electrical engineering VOL.7, NO.1, Serbia, May 2010,ISSN 1451-4869, pp 95-119.
- Alireza Rezaee, "*Speaker voice identification using evolutionary algorithms and fuzzy system*", tapesh Journal, VOL.13, no.26, 2010, pp 21-25.(in Farsi)
- Alireza Rezaee," *Using Genetic Algorithms for Designing of FIR Digital Filters* ", ICTACT journal on Soft computing"volume 01, issue 01,India,july2010, ISSN 0976-6561, pp 18-22.
- Alireza Rezaee, Abolghasem A. Raie, Abolfazl nadi, saeed shiry ghidary "*using Bayesian Network for robot behavior with sensor fault*", Electronics and electrical engineering, Vol.17, No.2(108), Lithuania, Feb 2011,ISSN 1392-1215, pp 91-96, **(ISI).**
- Alireza Rezaee, Abolghasem A. Raie, Abolfaz lnadi, saeed shiry ghidary, "*improving the learning behavior of mobile robots with sensors error by using Bayesian networks*", Journal - Association of Electrical Engineers - Electronic in Iran, 2011, ISSN 1735-7152, Vol.8, No. 1, pp.1-10, (in Farsi)(scientific-research)
- Alireza Rezaee, Abolghasem A. Raie, Abolfazl nadi, saeed shiry ghidary, "*Sensor Fault tolerance method by using Bayesian Network For Robotbehavior*", Advanced Robotics, volume 25, no. 16,Japan, 2011, ISSN 0169-1864, pp. 2039-2064(26),**(ISI).**
- Alireza Rezaee, Azizeh Ajalli, "*Preventing from Hot Spots in NOC Networks Based on Ant Colony*", American Journal of Scientific Research, volume 3, Issue 35,USA, 2011,ISSN 1450-223X,pp. 104-114**(ISI)**.
- Alireza Rezaee, Amirnaser khaleghi,"*particle swarm and evolution programming optimization for fuzzy system*", International Journal of Algorithms, Computing and Mathematics(IJACM), Volume 4,number 1,Februry 2011,ISSN: 0974-3367, pp60-70.**(ISI)**.
- Alireza Rezaee, mohamadreza hasani ahangar*,"mix proportioning of high-performance concrete by applying the GA and PSO*",International journal of smart Electrical Engineering(IAUCTB-IJSEE),Volume1, number 1, winter 2012,ISSN 2251-9246,pp 1-8.(**ISC**).
- Alireza Rezaee, M. Khalil Golpayegani**,"*Intelligent Control of Cooling-Heating Systems by Using Emotional Learning*"**Electronics and electrical engineering, Vol.18,No.4(120), Lithuania, April 2012,ISSN 1392-1215, pp 26-30**,(ISI)**.
- Alireza Rezaee, Amirnaser khaleghi,"Application of coevolutionary algorithm for wavelet filter design", International Journal of information and electronics engineering(IJIEE), Vol. 2,No.4, Singapore, July 2012, ISSN:2010-3719, pp581-585.
- Alireza rezaee,"Genetic algorithm for echo cancelling ",International journal of smart Electrical Engineering(IAUCTB-IJSEE),Volume1, No.2,IRAN, spring 2012,ISSN 2251-9246,pp 119-124.(**ISC**).
- Alireza rezaee, Azizeh ajelli, "Problem Solving of graph correspondence using Genetics Algorithm and ACO Algorithm", international journal of innovative research in science engineering and technology(IJIRSET),Vol.2, No.12,India, 2013, ISSN:2319-8753, pp7785-7791.

- Alireza rezaee, "Robot's Controller Design with Genetic Alghorithm", International Journal of Innovation in Science and Mathematics (IJISM),Vol.1, No.1,India,November, ISSN: 2347–9051,pp 37-41, 2013.
- M. Mirmozafari,Ch. Ghobadi,H. Mirhedayati 3 and A. Rezaee,"A Planar UWB Monopole Antenna with On-Ground Slot Band-Notch Performance" APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL(ACES),Vol.28, No.8, USA,August 2013, ISSN:1054-4887,pp719-724**.(ISI)**
- Alireza Rezaee, Abolghasem A. Raie, saeed shiry ghidary, "Learning Behavior and Resistance to Environmental Change by Sensors Fault in Mobile Robot using Dynamic Bayesian Network Based on Data", Journal of Electrical Engineering Tabriz,Vol.43, No.1,IRAN,september, ISSN 2008-7799,pp 27-38, 2013. .(**ISC**).

- Alireza rezaee, Azizeh ajelli, "Reducing Car Accidents Using Bayesian Networks", FAUNA ROSSII I SOPREDEL NYKH STRAN,Vol.10, No.5,Russia, June 2014, ISSN: 1026-5619, pp 666-673 **.(ISI)**
- Alireza rezaee,Fariba jahandideh shekalgourabi,"Finding community base on web graph clustering", International journal of smart Electrical Engineering(IAUCTB-IJSEE),Vol2, No.3,IRAN, Summer 2013,ISSN 2251-9246,pp 167-171.(**ISC**).

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Conference papers
- Alireza Rezaee, **"***AGV Robot Control by using FPGA***"**,4th Asian Conference on Industrial Automation and Robotics (ACIAR'05 (IEEE)), MAY 11-13,2005, Bangkok Thailand,pp368-374.
- Alireza Rezaee,**"***Implementation of optical encoder reader for motor control by using CPLD***"***,* New Technologies Conference (NTC 2006), Tehran, IRAN,pp10-18.
- Alireza Rezaee,"*Optimal Solution For Tracking Problem*", New Technologies Conference (NTC 2006), Tehran, IRAN, pp21-25.
- Alireza Rezaee ,Caro lucas,"*A local linear fuzzy Model for Robot Manipulators*", 1st Regional Conference On Electrical Engineering (RCEE2006),Gonabab, IRAN, pp 380-391.
- Ghasem Derakhshan, Alireza Rezaee, "*Determination of coefficients of PID controller for a welder robot motor by fuzzy logic*", the Seventh Conference (PSC2006), Shahid Abbaspour University, Tehran, Iran, 2005, pp. 126-132.(in farsi)
- Alireza Rezaee, *"Linearization of RF Power Amplifier Using Hybrid Genetic Algorithm and Neural Network"*, Mrc2007, Majlesi, IRAN, pp 627-632.
- Alireza Rezaee, **"***Cooperative Co evolutionary Algorithm For Modeling of Flow Meters***"**, Regional Conference of Mechanical Engineering Islamic azad University,nor branch, 2007, pp 333-343.
- Alireza Rezaee, **"***Symbiotic Neuroevolution for Evolution of Neural Network's Architecture***"**(CARI08,9th African conference on research in computer science and applied mathematics,27-30 octobr 2008-Rabat-MAROC),pp389-398
- Alireza Rezaee, **"***Parameter estimation for synchronous motor***"***,* WCSET 2008: World Congress on Science, Engineering and Technology, August 13–15, 2008, Vienna, Austria, ISSN:1307-6884.
- Alireza Rezaee, Mohammad jafarpour Jalai "*Multi-Resolution Ant Colony A New Approach to Use Swarm Intelligence in Continuous Problems*" International conference on Information and Multimedia Technology(IEEE ICIMT 2009), Jeju Island, South Korea December 18-19, pp 529-532(**ISI indexed**).
- A. Nadi, Alireza Rezaee, Saeed shirygheedai, A. raie, "*fault detection and removal of the mobile robot behavior*",5th Annual Conference of Computer Society of Iran, 2009.

- Alireza Rezaee, "*The evolutionary algorithm to improve the control performance of PID*" Conference on Computer Engineering role in modifying consumption patterns, Islamic Azad University, GarmsarBranch, 2009.(in Farsi)
- Alireza Rezaee, " *using genetic algorithm in black and white images* ", Regional Conference on Industrial Applications of Intelligent Systems and Organizations, University of Bardsir, 2009.(in Farsi).
- Mohammad jafarpour jalali, Alireza Rezaee,"*Power optimization in 70nm Technology*",2nd international conference on computer engineering and technology IACSIT CHENGDU(ICCET 2010),(IEEE).. April 16-18,chengdu,china, pp 136-139(**ISI indexed**).
- Alireza Rezaee, "*Using Fuzzy PSO to find the optimal number of wires, hardware components, in Colporteur problem*". Second National Conference on Communication Technology CommTech 2010, Qom, June 2010.(in farsi)
- Alireza Rezaee, Amirnaser khaleghi,"*particle swarm and evolution programming optimization for fuzzy system*",International conference on computing (ICC 2010),27th-28th December 2010, ,New Delhi,india,,pp 214-219.
- Alireza Rezaee, Amirnaser khaleghi,"*Application of coevolutionary algorithm for wavelet filter design*",3rd International conference on computer and automation Engineering (ICCAE 2011), 21-23th January 2011, Chongqing, China,ppV4-173-178(ISI indexed).
- Alireza Rezaee, Mohammad jafarpour jalali,"Using *Genetic Algorithm for parameter tuning ON ILC Controller Design*", second International conferece on Swarm Intelligence(ICSI 2011)p60,June 12-15,Chongqing,china,2011,pp 371-378(IEEE-ISI indexed- springer).
- Alireza Rezaee, Amir naser khaleghi,"*using genetic algorithm for optimizing of high speed Flip-Flop*",International conference on Mechanical industrial and manufacturing engineering lecture note in information technology Vols 1-2 (MIME 2011),15th-16th january 2011, Melborne, Australia, pp 374-376.

Books

- Rezaee, A., &Ranjbaran, S. (2007),*Applied learning genetic algorithm in MATLAB software*, Tehran, Padideh books,ISBN:964-7901-12-7.(in Farsi)
- Rezaee, A, (2009), *Science projects and AVR applications in C*,Tehran, Ailar , ISBN:978-964-8783-67-4.(in Farsi)
- Rezaee, A.(2009), *Electronic and microcontroller fundamentals for youth,* Tehran, Padideh books,ISBN:978-600-5464-13-9.(in Farsi)
- Rezaee, A. &Ranjbaran, S. (2009), *Practical training at fuzzy and genetic algorithm in MATLAB software*,Tehran, Padideh books,ISBN:978-600-5464-21-4.(in Farsi)
- Rezaee, A. (2010), *guarantee teaching of introductory to advanced electronics*,Tehran, Padideh books,ISBN:978-600-5464-28-3.(in Farsi)
- Rezaee, A. (2010), *principles of microcomputers*, Tehran, Ailar , ISBN:978-964-8458-85-5.
- Rezaee, A. &saeedi H. (2010),*Familiarity with computer components*,Tehran, Mirmah,ISBN:978-964-8115-86-4.(in Farsi)
- Rezaee, A. &saeedi H. (2010),*Dictionary of Computer Information Technology*,Tehran, Mirmah,ISBN:978-964-8115-87-1.(in Farsi)
- Rezaee, A. (2011),*control automatic*, Tehran, Amirkabir university academic jihad,ISBN:978-964-210-080-4.(in Farsi)
- Jamshidinia, Zh. &Rezaee, A. (2011),*Introduction to Biomedical Engineering and Biological Engineeringits equipment and measuring devices*,Tehran, Padidehbooks,ISBN: 978-600-5464-31-3.(in Farsi)
- Rezaee, A. (2011),*Industrial Systems*,Tehran,Chortkeh,ISBN:978-964-6463-54-7. (in Farsi)
- Rezaee, A. (2011),*protect the facility and prevent electrical hazards streamflow*, Tehran,Chortkeh,ISBN:978-964-6463-56-1.(in Farsi)

- Rezaee, A. (2011),*Electrical Drawing and Map Reading*, Tehran,Chortkeh,ISBN:978-964-6463-55-4.(in Farsi)
- Jalali, M. &Rezaee, A. (2011),*TV systems for black and white - color - Plasma-LCD-LED*, Tehran, Ailar,ISBN:978-600-198-006-0.(in Farsi)
- Rezaee, A. (2011),*Pre-Electronics Laboratory*,Tehran,Chortkeh,ISBN:978-964-6463-57-8.(in Farsi)
- Rezaee, A. (2011),*Electrical Workshop*,Tehran,Chortkeh,ISBN:978-964-6463-58-5.(in Farsi)
- Rezaee, A. (2011),*ICT applications*,Tehran,Chortkeh,ISBN:978-964-6463-63-9.(in Farsi)
- Rezaee, A. (2011),*Satellite Communication Systems*,Tehran,Chortkeh,ISBN:978-964-6463-66-0.(in Farsi)
- Rezaee, A. (2011),*Multimedia*,Tehran,Atra,ISBN:978-600-6425-03-3.(in Farsi)
- Rezaee, A. (2011),*Fundamentals of Information Technology*,Tehran,Chortkeh,ISBN:978-964-6463-74-5.(in Farsi)
- Rezaee, A. &Hasani Ahangar, M.(2011),*Electrical installations,*Tehran,Chortkeh,ISBN:978-964-6463-80-6.(in Farsi)
- Rezaee, A. (2011),*Noise*,Tehran,Chortkeh,ISBN:978-964-6463-70-7.(in Farsi)
- Rezaee, A. (2011),*Electronic and wiring workshops Hospital*,Tehran,Chortkeh,ISBN:978-964-6463-78-3.(in Farsi)
- Rezaee, A. (2011),*ICT in engineering economy*,Tehran,Atra,ISBN:978-600-6425-02-3.(in Farsi)
- Rezaee, A. (2011), *Data Communication*,Tehran,Atra,ISBN:978-600-6425-01-6.(in Farsi)
- Rezaee, A. (2012), *Antenna and its applications*,Tehran, Chortkeh,ISBN:978-964-6463-23-3.(in Farsi)
- Rezaee, A. (2012), *Electrical Engineering Drawing*,Tehran, Chortkeh,ISBN:978-964-6463-87-5.(in Farsi)
- Rezaee, A. (2013), *linear and switching power supply* , Azar,ISBN:978-600-6862-25-5.(in Farsi)
- Rezaee, A. (2013), *wire and cable and joint*,Tehran, Azar,ISBN:978-600-6862-21-7.(in Farsi)
- Rezaee, A. (2013), *aircraft and jet engine components*,Tehran, Azar,ISBN:978-600-6862-26-2.(in Farsi)
- Rezaee, A. (2014), *Subway and train electrical systems*,Tehran, Fani hoseinian,ISBN:978-964-6607-59-0.(in Farsi)
- Rezaee, A. (2014), *electrical panel*,Tehran, Fani hoseinian,ISBN:978-964-6607-60-6.(in Farsi)

Books Translation
- Rezaee, A.(2009).*Computer architecture and components*.(R. White, Trans.)Tehran, Ailar,ISBN:978-964-8458-75-6(original work published 2005 ,How computers work)
- Rezaee, A.(2011).*Introduction to autonomous mobile robots*.(by R. Siegwart& I. Nourbakhsh, Trans.) Tehran, Chortkeh,ISBN:978-964-6463-68-4(original work published 2004 - MIT Press)

Patents:

- Alireza Rezaee, Abdullah ebrahimi, Morteza shamsi, behnam Zakizadeh, *A network based on GSM (mobile network) with unlimited range for car alarm system*, IRAN Patent No:50980, 2008.
- Alireza Rezaee,Saber Farajzadeh Bibalan, Abdullah ebrahami, *designing Fermantor(bioreactor) for microbial test*, ,IRAN patent No:52278, 2008.

- Alireza Rezaee, M.Khalili, Abdullah ebrahimi, Seyed Majid valiollah zadeh, *Intelligent Control for Building management system with GSM network with unlimited range and energy loss*, IRAN Patent No:52276, 2008.
- Alireza Rezaee, Abdullah ebraham,Shahabuddin Mohammad Rahmatizadeh, M.Khalili, *The focus meter for typists and drawingin the mirror without limitation*, IRAN patent No: 52277, 2008.
- Alireza Rezaee, Amin Maulvi, Mohammad Jafar pour Jalali,*Time Machine CNC DRIL using straps*, , IRAN patent No.: 67991, 2010.
- Alireza Rezaee, Hamed Haddadi, *Electronic tracer system in three dimensions*,IRAN Patent No: 68028,2010.
- Alireza Rezaee, S.Hassan Abadi, *The moving optical systems with small size and low power warner*, IRAN Patent No: 67990, 2010.
- Alireza Rezaee, S.Esfahani,*Paperand card board recycling more house hold unitsto wooden artifacts*, ,Hashtgerd University, IRAN PatentNo: 68026, 2010.
- Alireza Rezaee, S.Esfahani, H.Saeedi, K. najar, *Crusher and separation of leach after romdomestic waste*, IRAN PatentNo: 68898, 2010.
- Alireza Rezaee, M.Kashi, S.Esfahani, *Device Ordering and Hank started and aliased*, Hashtgerd University, IRAN PatentNo: 68985, 2010.

RESEARCH EXPERIENCE
- Supervised work of graduate students
- Worked with senior researchers
- Ordered equipment for new lab and established guidelines for its use
- Design and implementation of bioreactor in order to control chemical processes, biochemical Department of Sharif University of Technology, 2002.

TEACHING EXPERIENCE
- University of Tehran,Tehran,IRAN, lecturer of (modern control, neural network, sensor and robot calibration,advanced numerical, satellite communication, signal and system, digital control, Digital signal processing, machine vision, Image processing, advanced programming, Discrete Mathematics)
- Amirkabir university of technology, Tehran, IRAN Teaching Assistant Robotics(2010)
- Shahab danesh university, Ghom, IRAN, lecturer of (Electrical circuits II,Electronic II)(2011-2013)
- Pooyesh university, Ghom, IRAN, lecturer of (microcontroller ,Software in electronic)(2009-2013)
- Islamic Azad university south Tehran branch, Tehran, IRAN, lecturer of (linear control, signal and systems)(2005 till 2006)
- Islamic Azad university boinzahra branch, Qazvin, IRAN, lecture of(programming, Digital, opamp)(2005 till 2008)

- Islamic Azad university Garmsar branch, Semnan, IRAN, lecturer of (Electronic II, programming, Electronic I)(2005 till 2007)
- Islamic Azad university Abhar branch, Zanjan, IRAN, lecturer of (Microcomputers, Electronic I)(2008 till 2009)
- Islamic Azad university Hashtgerd branch, Alborz, IRAN, lecturer of (Assembly, Probability and Statistics)(2006 till 2012)
- Sapco application university, Tehran, IRAN, lecturer of(automatic control, instrument)
- Kosha application university, Alborz, IRAN, lecturer of (Physic II, Electrical measurements)
-

List of courses taught
Undergraduate courses
Electrical circuits II,Electronic II,microcontroller ,Software in electronic,linear control, signal and systems,Digital,Probability and Statistics,automatic control, instrument, advanced programming, Discrete Mathematics.
Graduate courses
Robotics, modern control, neural network, sensor and robot calibration,advanced numerical, satellite communication, digital control, Digital signal processing, machine vision, Image processing

Work experience
- Director of R & D Company Gostar Kish management and building energy audits in 2.
- Engineering Career license monitoring and implementation of electrical installations and Urban Development Department (Engineering),2012-
- Designer of radar in company in 2013.
- Designer in EPC project for national IRAN Gas company(NIGC) dispatching at company in 2012
- Designer & consultant in national water supply project (Qom,dehgolan,jam) at company in 2011.
- Designer of mammography and MRI machines in medical instruments company(ABZAR TEB ASEMAN) in 2011.
- Teacher of training courses of DCOS & DCIS of IDCA (data center) in Telecom ava Company in 2010.
- consultant of Iran gas dispatching in MATN company 2004.
- Design and programming CAN boards in Kerman tablo 2003.
- Classes participated in the ISO.
- Cooperation with the Center for Biochemical Technology in chemical processes at Sharif University of technology 2002.

Special Skills
- Computer skills, Lab view, protel, orcad, MATLAB, Modelsim, Leonardo, Keil, ISE Xilinx, Maxplus, Code vision, Win driver, AVR studio
- Programmer languge(VC++,VHDL, PLC, Assembly, Visual Basic)
- Microcontrollers(AT mega 128(AVR), C515(Infineon),89C51)
- CPLD, FPGA(XC9572 ,XC95144 ,Spartan II ,MAX7000)
- USB and PCI controller(S5935,PLX9052),field bus
- Experience working with diverse population
- Strong interpersonal skills
- Public speaking experience, including use of Power Point

Membership:
- Member of inventors state of IRAN no 4547.
- Certified training course beginning and cultural organizations-Arts CenterCommunity Association Cultural Organization of Tehran Municipality(area 16,Bahman Cultural Center)

Training course:
- Training course beginning Cultural Association, 8 hours, Center for Community organizations Cultural Organization of Tehran Municipality,2010.
- Market and technology entrepreneur ship, 8 hours, the Institute of Culture and Islamic Art and Architecture, 2011.
- IDCA (data center) course DCIS & DCOS 5day,telecom ava company,2012
- Course Introduction to Holistic Scientific Map, 16 hours, held by Iranian students and staff strategy Holistic Scientific Map, 2012.
- Technology Foresight workshops, 25 hours, organizing elite Isfahan Foundation, September 2012.
- orientation course history and current procedures Engineers Association, 2 hours, Organizer Center, Construction Engineering Branch, June 2013.
- Public law relating to system engineering orientation course, 2 hours, Organizer Center, Construction Engineering Branch, June 2013.
- Understanding the importance of training materials, engineering law and its bylaws, 2 hours, Organizer Center, Construction Engineering Branch, June 2013.
- Plan training masters feast of ideas and the history of Islamic political thought, 40 hours, organizer representative of Tehran University, January 2014.

Arti & sporting activities:
•swimming, climbing, volleyball
•playing piano and guitar, singing in aband of Sharif University choir music group.