

# Seyede Sahar Adnani

Curriculum vitae

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## Education

Master of Science	University of Tehran (2013 – present ), Tehran, Iran M.S. Electrical Engineering Majored in Electronics - Semiconductor technology GPA : 18.59 out of 20
Bachelor of Science	Sharif University of Technology (2009 – 2013), Tehran, Iran B.S. Electrical Engineering Majored in Electronics GPA : 15.41 out of 20
High School Diploma	Farzanegan High School (Sep 2005– June 2009) NODET (National Organization for Development of Exceptional Talents), Sanandaj, Iran High School diploma in Mathematics and Physics GPA : 19.35 out of 20

## Research Interests

Neuroscience  
Fabrication of Nano structures  
Nano-bio technology  
Artificial Neural Networks (ANN)  
Robotics

## Honors

Awarded bronze medal In 18th National Chemistry Olympiad  
Member of National Elite Foundation, Since 2008  
Chosen for best student projects In Chemistry, NODET, 2007  
Awarded gold medal in Futsal at 5th NODET Sports Olympiad

## Conference Paper

S.Adnani, A.Mashayekhi, Sh.Ghasemi, Z.Sanaee, "Fabrication of Deep Brain Stimulation Probe and ZnO Nano rod based Lithium Ion Battery for Its Power Supply", 5<sup>th</sup> International Conference on Ultrafine Grained and Nano-Structured Materials, 2015 November, Tehran, Iran. (Prize winner for the best presentation)

## Selected Academic projects

2014 - present	Fabrication of Deep Brain Stimulation Probe and Nano-structured Lithium Polymer Battery, M.Sc. project, under supervision of Dr. Sanaee, University of Tehran
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Fall 2014	Design a two-capacitor sample&hold circuit with desired specifications, Course Project, under Supervision of Dr. Ashtiani.
Fall 2013	Synchronization and independent learning of intelligent subsystems with Neural Networks, B.Sc. project, under supervision of Dr. Bagheri Shouraki, Sharif University of Technology.
Spring 2013	Design a robot which able to follow a predetermined path using ARM LPC1768 controller, Course Project, under Supervision of Dr. Sanaei.
Spring 2013	Simulation of an OFDM Packet Synchronizer as a project of ASIC/FPGA Design, Course Project, under Supervision Dr. Shabani.
Spring 2012	Gate Level Circuit Analyzer Compatible With Pspice File Format using Visual C++, part of the "Advanced Programing" course project, under Supervision of Dr. Vosoughi Vahdat.
Fall 2011	Design and Implementation of CRT Signal Driver with 8051, Course Project, under Supervision of Dr. Bagheri Shouraki.

## Work & Teaching Experiences

Spring 2015	Teacher Assistant for "Dynamical Systems in Neuroscience" course, Dr. Bahrami, University of Tehran
Summer 2014	Teaching Robotics to highschool students
Spring 2013	Teacher Assistant for "Pulse Technique" course, Dr. Bagheri Shouraki, Sharif UT
Summer 2012	Working in KavoshCom Asia R&D group as an internship, focus on Ad-hoc Radios, under supervision of Dr. Fotowat Ahmady
Fall 2012	Executive Member in SharifCup 2012, Robotic Competition in Sharif UT
Spring 2012	Teaching Robotics to Elementary students in NODET Computer Challenge
Spring 2011	Bazinama magazine writer Part Time
Fall 2009 & 2010	Executive Member in AUTCup 2009 & 2010, Robotic Competition in Amirkabir UT

## Selected Course Grades

"Advanced Programming", Dr. Vosoughi Vahdat, Spring 2012	18/20
"Principle of Solid State Devices", Dr. Fardmanesh, Spring 2012	16.5/20
"RF communication circuits", Dr. Fotowat Ahmady, Fall 2012	18.5/20
"Neural Networks", Dr. Bagheri Shouraki, Spring 2013	17/20
"Fuzzy Systems", Dr. Bagheri Shouraki, Summer 2013	17/20
"Dynamical Systems in Neuroscience", Dr. Bahrami, Spring 2014	20/20
"Nano-Technology and Nano-electronics", Dr. Mohajerzadeh, Spring 2014	17/20

“Active Integrated Circuit”, Dr.Ashtiani, Fall 2014	17.6/20
“MEMS Energy Devices”, Dr.Sanaee, Fall 2014	18.52/20
“Fabrication of Electronic Components 2”, Dr.Fathipour, Spring 2015	20/20

## Computer Skills

Programming Languages:	C++, Assembly, Verilog HDL, Matlab
Specialized Softwares:	Pspice, Hspice, Atmel Studio, CodeVisionAVR, Altium Designer, Quartus, Proteus, Synopsis Design Compiler, Silvaco

## Extracurricular Activities

Mountain climbing  
 Inline skating  
 Watching movies  
 Playing Violin (Beginner)

## References



**Dr. Saeed Bagheri Shouraki**

Professor

**Research interest:** Robotics, Fuzzy systems, Soft computing, Fuzzy controllers, Neural networks and Brain simulation.

**Email:** [Bagheri-s@sharif.edu](mailto:Bagheri-s@sharif.edu)

**homepage:** <http://sina.sharif.ir/~bagheri-s/>



**Dr. Seyed-Shamsoddin Mohajerzadeh**

Professor

**Research interest:** Light emitting diodes, Thin Film transistors and displays Nano-technology, CNT-based devices, Silicon and PET Micro and Nano Machining

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**homepage:** <http://ece.ut.ac.ir/en/users/mohajerzadeh>



**Dr. Fariba Bahrami**

Associate Professor

**Research interest:** Bio-Electric, Stability and balance control during human movement, Biomedical instrumentation and measurements

**Email:** [fbahrami@ut.ac.ir](mailto:fbahrami@ut.ac.ir)

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**Dr. Zeinab Sanaee**

Assistant Professor (University of Tehran)

**Research interest:** NEMS/MEMS Technology, MEMS Energy Devices, Bio-MEMS and Nano-biotechnology

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