

Name

PERSONAL INFORMATION

School of Electrical and Computer Engineering
University of Tehran, Tehran, Iran

Cell-Phone:
E-mail:

RESEARCH INTERESTS

- Bio-Electromagnetics
- Electromagnetic Approach to Cancer Detection
- Medical Imaging
- Biomedical Applications of EM waves and RF Circuits
- Active and Passive Microwave, Millimeter-Wave and RF Circuits
- Applied Electromagnetics
- Antenna Design

EDUCATION

MSc in Electrical Engineering School of Electrical and Computer Engineering,
University of Tehran, Tehran, Iran, *September ****-May *****

- **Current GPA:** ****.**/20 (**./4)**
- **Thesis Title:**
Advisor:
- **Passed Courses:**

BSc in Electrical Engineering School of Electrical and Computer Engineering,
University of Tehran, *September **** - June *****

- **GPA:** ****.**/20 (**./4)**
- **Thesis Title:**
Advisor:
The goal of this thesis was to transfer sunlight to dark areas in order to decrease electricity consumption

Diploma in Mathematics and Physics *** High School, *September **** - June *****

- **GPA:** ****.**/20**

HONORS AND AWARDS

- ◇ Certified as ***, *Jan ****-May *****
- ◇ Chair of ***, *May ****-May *****
- ◇ Ranked **** in the nationwide university entrance exam for graduate studies (M.Sc. program) in Electrical Engineering among 15000 participants, *May *****
- ◇ Head of Financial Committee of ****, *Aug. ****-Nov. *****
- ◇ Ranked *** in the swimming championship of University of Tehran, *Spring 2008 and Spring *****
- ◇ Ranked *** among more than 300,000 participants in nationwide university entrance exam for undergraduate studies (B.S. program), *August *****
- ◇ Ranked **** among more than 40,000 participants in nationwide Azad universities entrance exam for undergraduate studies (B.S. program), *August *****
- ◇ Member of National Institute for Elites, *Fall ****-now*
- ◇ Entitled as an Exceptional Talented Student in University of Tehran, *Fall *****
- ◇ Life Gaurd Certification, *Summer *****

RESEARCH ACTIVITIES AND PROJECTS

- ‘License Plate Recognition using Image Processing Methods for Persian License Plates,’ *2012*
- ‘Extraction and Analysis of HRV Signal using ECG Signal in Healthy and Unhealthy Cases,’ ****
- ‘Study of Electromagnetic Scattering from a Dielectric Cylinder using GMT Method,’ ****
- ‘Analysis of a Rectangular Waveguide Taper Using Mode-Matching Method,’ ****
- ‘Transmission Line Formulation for the Full-Wave Analysis of Two-Dimensional Dielectric Photonic Crystals,’ ****
- ‘Circuit Modeling of a Transistor Test Fixture,’ ****
- ‘Large Signal Scattering Parameter Calculation of a Transistor,’ ****
- ‘Design of a Balanced Amplifier,’ ****
- ‘Pen Based Recognition of Handwritten Digits using Pattern Recognition Methods,’ ****
- ‘Design of a Complementary Differential VCO,’ ****
- ‘Design of a Single-Ended Two-Stage OTA with NMOS Input Differential Pair and PMOS Second Stage,’ ****
- ‘Creation of Holographic and 3D Images using Half Cylinder Dielectric Lenses,’ ****

WORK EXPERIENCE

- ‘Head of **,’ School of Electrical and Computer Engineering, University of Tehran, Tehran, Iran, *Jan ****-May *****
- ‘Design and Fabrication of Sensors for Measuring Physical and Chemical Properties of Fluids in Oil Industry,’ **, Under supervision of **, School of Electrical and Computer Engineering, University of Tehran, Tehran, Iran, ****

COMPUTER SKILLS

- Programming Languages: C/C++
- Technical Softwares: MATLAB/Simulink, HFSS, CST, Feko, ADS, HSpice
- Typesetting: Latex, Ms Word

TEACHING:

Teaching Assistant:

- Microwave I, Instructor: , *Fall *****
- Operations Research, Instructor: , *Fall *****
- Fields and Waves, Instructor: , *Spring *****
- Telecommunications I, Instructor: , *Fall *****
- Engineering Mathematics, Instructor: , *Spring *****
- Signal and Systems, Instructors: , *Spring *****

Teaching:

- Swimming, *** Educational Institute, *Summer ****-now*

LANGUAGES:

- Farsi: First language
- English: Excellent
 - ◇ TOEFL IBT
Overall Score: ***
(*Reading: **, Listening: **, Speaking: **, Writing: ***)
 - ◇ GRE PBT
*Verbal Reasoning: **, Percentile: **%*
*Quantitative Reasoning: ***, Percentile: **%*
*Analytical Writing: *, Percentile: **%*

INTERESTS:

- Sports: Swimming, Volleyball, Soccer, Badminton
- Cyber Games
- Reading