



General Information:

Name: Ataollah Ebrahimzadeh (A. E. Zadeh)

Place of birth: Northern of IRAN, Babolsar City, 1972.

Marital status: Married.

Emails: abrahamzadeh@gmail.com, e_zadeh@nit.ac.ir

[CellNumber/Whatsapp](#): +989112106200;+989389621352

Academic background

- BSC: Electrical Engineering (Telecommunication Branch): University of Tehran, Tehran, IRAN (with honors), 1990-1994.

-BSC Project: Design and fabrication of high frequency dual band filters.

- MSC: Biomedical Engineering, Amirkabir University of Technology, Tehran, IRAN (with honors), 1995-1998.

-MSC Thesis: ECG beats Classification Using Machine Learning

- PHD: Electrical Engineering (Telecommunication Branch): Ferdowsi University of Mashad, Mashad, IRAN (with honors), 2001-2006.

-PHD Thesis: Advanced methods for Identification of digital signals using neural networks and ultra wide band antennas.

-**Assistant Professor**, Babol Boshirvani University of Technology, 2007-2010.

-**Associate Professor**: Babol Noshirvani University of Technology, 2010-2014.

-**Professor**: Babol Noshirvani University of Technology, Since 2014.

Google Scholar

https://scholar.google.com/citations?hl=en&user=kMd_5qoAAAAJ

H-Index: 28, (1/20/2022)

***Courses Taught:**

Undergraduate (BSC):

Engineering Electromagnetics, Engineering Mathematics, Antenna and Wave Propagation, Digital Signal Processing, Analog and Digital Communication Systems, Filter and Synthesis of Circuits, Basic Circuits, Microelectronics, Data Transactions, Microwaves Engineering, Optical Communications, Programming Languages, Artificial intelligence.

Graduate (MSC & PHD):

Biological Signal Processing, Information Theory and coding, Bio-instrument, Swarm Intelligence and Evolutionary Algorithms, Advanced digital signal processing, Advanced Digital Communications, Stochastic and Random Process, Advanced optical communications, Advanced Antennas, Radio Networks Design, Terahertz Technology, Scattering of waves, Machine learning, Metamaterials, Neural networks, Optoelectronics, Image processing.

***Subjects of some of the supervised theses:**

I have supervised about 80 MSC and 14 PHD theses in the following subjects:

Evolutionary Computing, Biomedical Signal Processing, Neuroscience, Machine Learning, Design of Antenna and Microwave Devices, Metamaterials and Metasurfaces, Modulation Classification, Remote Sensing, Wireless Sensor Networks, Smart Grid, Energy Harvesting, Microwave Imaging, Image Processing, THz Technology, Microstrip Antennas, Slot Antennas, Underwater Communications, Control chart patterns, Solid state power amplifier, Game Theory, Cryptography, Microwave Filters, Through the wall imaging, DOA, WPT, Sonar, Acoustics, etc.

***Executive summary:**

- Head of Department of Control, Faculty of Electrical and Computer Engineering, Babol Noshirvani University of Technology.
- Head of Department of Telecommunications, Faculty of Electrical and Computer Engineering, Babol Noshirvani University of Technology.
- Educational Deputy of Faculty of Electrical and Computer Engineering, Babol Noshirvani University of Technology.
- Senior Member of Recruitment Department of Babol Noshirvani University of Technology.
- Senior Member of the working group specialized in designing of Olympiad and entrance exam questions.

- Member of specialized commission of audit board of Babol Noshirvani University of Technology
- Director of Talent Management, Babol University of Technology
- Director and Member of The Journal of Soft Computing and Information Technology (JSCIT)
- Member of: IEEE, IT Committee, Research Process, Suggestions System Committee, Research Regulation Compilation Committee, BC&CC&CC Committee
- Reviewer of International Foreign and Domestic Journals and International and Domestic Conference

***Books:**

- Digital Signal Processing 1 (In Persian)
- Evolutionary Computing and Machine learning , V. 1 &2(In Persian)
- Wireless Communications (in Persian)
- Engineering Electromagnetics (In Persian)

***Industrial Background:**

- R&D officer: Telecommunication Company of Khorasan
- Researcher of Medical Imaging Center of Tehran Hospital
- Design Engineer: Ultra Wide Band Antennas, Smart Building, SSPA, Pressure-Meter, Metasurfaces, Microwave filters (Pouya Tarahan Co.)
- Design and manufacture of electromagnetic wave energy harvesting system
- Modeling the sea clutter and obtaining the height of the duct.
- Design and fabrication of dual-mode SIW filters
- DOA System Design
- Matching and reducing the dimensions of low frequency antennas
- Design of small-scale radar for use in farming drones
- Design and simulation (and part of fabrication) of through the wall radar
- Design and construction of vivaldi broadband antennas for medical imaging
- Optimal design of metasurfaces to reduce couplings
- Undersea robot with the ability to send information
- Researcher of ITRC
- Senior Researcher of Smart Communication Lab
- Engineer Designer of Cybernetic Hand (Pardis Co.)
- ETC

***Programming and Software Skills**

Matlab, C++, Python, CST, Comsol, ADS, Microsoft Office

***Honors**

- Second rank in scientific competitions of High Schools, Babolsar city, 1988.
- First rank of scientific competitions of High Schools, Babolsar city, 1989.
- First rank of scientific competitions, Mazandaran province, 1991.
- First rank in Telecommunications Engineering, University of Tehran, 1995.
- First rank in PHD entrance exam and final exam.
- Top Researcher of Babol Noshirvani University of Technology, 2009.
- Top researcher in Mazandaran Province, 2011.
- National Top researcher from Mazandaran province, 2013.
- Distinguished Professor, Babol Noshirvani University of Technology, 2013.
- Top two percent of scientists in the world in 2021.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>

***Hobbies:**

Climbing, Swimming, Karate, Cycling, Walking, Tennis, Farming, Teaching and playing with my Kids.

***Languages:**

Persian (Native), English (Fluent), Arabic (Medium)