

Curriculum Vitae

Farhad Azadpour

Date of Birth: 9/11/1984

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Education

- **Senior Ph.D. student in Atomic and Molecular Physics** **October 2017**
- **M.Sc. in Photonics** **May 2010**
- **B.Sc. in Applied Physics** **July 2007**
- **Diploma in Mathematics** **June 2002**

Research Interests

- **Optoelectronics**
 - All optical nonlinear devices
 - Nanoelectronic devices
 - Solar Cell
 - Microring-based Optical Devices
 - Analysis and modeling of optical devices
- **Nanophotonics**
 - Optical Nanodevices and Nanosensors
 - Modeling and simulation of Nanobiosensors
 - New approaches in medical imaging
- **Nonlinear optics**
 - Applications of optical nonlinear effects in all optical devices.

Educational Qualification

- **GRE Physics:** Apr. 2011, 760/990.

Experiences

2010 up to now Teaching (Lorestan University of Medical Sciences)

- General Physics, Image Processing in Medical Sciences (using MATLAB), General Physics Lab and Biophysics.

Teaching (Lorestan University)

- Basic Physics.
- Optics

2008-2010 Teaching assistant (University of Guilan)

- Basic Physics

Research (Research Institute for ICT)

- Analysis of Response of Microring-based Photodetector Considering Nonlinear Optical Effects

Language Skills

- **English:** Fluent in Speaking, Writing, Reading and Listening.
 - TOEFL IBT: Jan. 2011, 79/120.
- **Persian:** Native.

Computer Skills

- **Computer Programming:** Turbo Pascal, Fortran90/77, Mathematica, MATLAB, Maple, Nextnano, Lumerical.
- **General Software:** Word, PowerPoint, Excel ...
- **OS:** windows Vista & XP, Seven, eight, ten, 98, Linux.

Honors and Awards

- Wining a grant (about 2500\$) for research in the Research institute for ICT, Tehran, Iran, 2010.
- Ranked 100th among approximately 8000 participants in the National Entrance Exam to Master of Photonics, Iran, Sept. 2007.
- Ranked 14th among approximately 7000 participants in the first National Entrance Exam to PhD of Physics and Photonics, Iran, June. 2011.

Extracurricular

- Having black belt in Taekwondo (a senior in Taekwondo).
- Ranked 2nd in the champion competition of Taekwondo among all collegians in the country.
- Invited to the national collegian team of Taekwondo for world competition, 2003.

Hobbies

- Reading (Literature, History), Traveling, Playing Taekwondo and Football.