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Personal information

- Date of birth: May/24/1977
- Birthplace: SAGHEZ (KURDISTAN), IRAN
- Martial status: Single
- Nationality: IRANIAN

Education

- B.Sc. in Physics (Atomic): September 1997- September 2001, KERMAN
Title of my (B.Sc.) thesis is:
"Measurement in Quantum Theory"
Supervisor: Dr. Majid Rahnema
- M.Sc. in Physics (Optics): September 2001- November 2003, ZANJAN
Title of my thesis is
"A Study on Laser Cooling and Trapping of Neutral Atoms"
Supervisor: Dr. Arashmid Nahal
Advisor: Prof. Yousef Sobouti



Scientific employment and academic responsibility

University	Month/Year	Month/Year	Academic responsibility
Shahid Bahonar University of (KERMAN)	Apr./1999	Jun./1999	Teaching Assistant (Classical Mechanics)
Shahid Bahonar University of (KERMAN)	Sep./1999	Dec./1999	Teaching Assistant (Physics I, II)
Shahid Bahonar University of (KERMAN)	Sep./2000	Dec./2000	Teaching Assistant (Quantum Physics I, II)
Shahid Bahonar University of (KERMAN)	Sep./2001	Dec./2001	Teaching Math.Phys. I
Institute for Advanced Studies in Basic Sciences	Sep./2002	Dec./2002	Teaching Assistant (Math.Phys.I)
Institute for Advanced Studies in Basic Sciences	Dec./2002	Mar./2003	Teaching Assistant (Math. Phys. II)
Institute for Advanced Studies in Basic Sciences	Apr./2003	Jun./2003	Teaching Assistant (Math.Phys.I)
Azad University of (ZANJAN)	Apr./2003	Jun./2003	Teaching Physics Lab. I
AZAD University of (ZANJAN)	Apr./2003	Jun./2003	Teaching Physics Lab. II
AZAD University of (ZANJAN)	Sep./2003	Dec./2003	Teaching Physics Lab. I
AZAD University of (ZANJAN)	Sep./2003	Dec./2003	Teaching Physics Lab. II
AZAD University of (ZANJAN)	Mar./2004	Jun./2004	Teaching Physics Lab. I
AZAD University of (ZANJAN)	Mar./2003	Jun./2004	Teaching Physics Lab. II
AZAD University of (ZANJAN)	Mar./2003	Jun. /2004	Teaching Physics Lab. III
AZAD University of (ABHAR)	Mar./2003	Jun./2004	Teaching Physics I
AZAD University of (ABHAR)	Mar./2003	Jun./2004	Teaching Physics II
KURDISTAN university	Sep./2004	Dec./2004	Teaching Physics I
KURDISTAN university	Sep./2004	Dec./2004	Teaching Physics II
KURDISTAN university	Sep./2004	Dec./2004	Teaching Laser
KURDISTAN university	Sep./2004	Dec./2004	Teaching (Math.Phys.I)
KURDISTAN university	April./2005	-----	Teaching (Math.Phys.I)
KURDISTAN university	April./2005	-----	Teaching (Math.Phys.II)
KURDISTAN university	April./2005	-----	Teaching Laser
KURDISTAN university	April./2005	-----	Teaching Optics

Professional Interests

1. Research

- Quantum Optics
- Mathematical Physics
- Classical Optics

2. Teaching

- Mechanics
- Quantum Physics
- Mathematical Physics
- Physics of Electricity

3. Language

- Kurdish (fluent)
- Persian (fluent)
- English (good).

4. Sports

- Football (Soccer)
- Futsal
- Climbing
- Running

5. Music

- POP

Favorites Singer

- Dariush
- EBI
- Chris de Berg

Research topics

- Phase Anomaly (Singular Optics)
- Quantum Optics
- Classical Optics
- Laser Cooling
- B.E.C
- E.I.T
- Optics of Crystals

Publications

Books

- I. **Pre University Physics (I, II)** [Author], Alavi (Tehran) Publication (2003).
- II. **General Physics** [Scientifics Editor], Alavi (Tehran) Publication (2001).
- III. **Solution of Mechanics Problems** [Author], Alavi (Tehran) to be published.
- IV. **Integral Transforms** [Author], to be published (Soon!).
- V. **Laboratory of Physics** [Author], to be published (Soon!)[it is Published before end of August]

Article

- **Anomalous Behavior of Gaussian Beam near the Focal Point**, *E.Karimi*, F.M.Rad, H.R.M.Khalesifard (10th Iranian conference of PHOTONICS - MAHAN) February 2004 (P.40).
- **Quantum states of neutron in Gravitational field**, *E.Karimi*, F.M.Rad, S.M.Hashemi, GammaJournal 2005, No.5. (P.39)
- **Spectral modification by line singularity in 1D phase step**, M. T. Tavassoly, M. Amiri, *E. Karimi*, H. R. Khalesifard, , submitted to Opt. Com. 2004.
- **Anomalous Behavior of plane wave Near the focal point**, *E. Karimi*, F.M.Rad, H.Hassan Abadi. Submitted to Tarbiat Modares Magazin. 2004
- **Modal Structure of a vibrating shell**, *E.Karimi*, to be published.

Seminars

- Measuring Earth Velocity by using Shadow (1997-KURDISTAN)
- Wave Detect by Light (1998-ESFEHAN)
- Forth Dimension and Geometry of relativity (1999-KURDISTAN)
- The Principle of Least Action (1999-KERMAN)
- Multi Channels Optical Oscilloscope (2000-KERMAN)
- Measurement in Quantum Theory (2000-KERMAN)
- Light Velocity Reduction in Transparent Materials (2001-KERMAN)
- Laser Cooling (2001-ZANJAN)
- Tunable Diode Laser (2002-ZANJAN)
- Bose-Einstein Condensation (2002-ZANJAN)
- Anomalous Behavior of Light Near The Focal Point (2003-ZANJAN)
- Anomalous Behavior of Gaussian Beam Near the Focal Point (2004-MAHAN)

Awards and prizes

- Among the 40 contestants in Iranian **Mathematics Olympiad** (1997)
- Nominated for the “ **Rouzbeh Award**” (Iranian Physics Society) (1998)
- Top six industrial design “**Kharazmi Award**” (1999)