

Iman Moaddel Haghighi CV

Personal information:

Name: Iman Moaddel Haghighi

Date of birth: March 21, 1982

Place of birth: Shiraz- Iran

Address: 71110-1331, P.O. Box 1331, Shiraz University of Technology,
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71110-1331, P.O. Box 1331, Shiraz

Education:

All grades are out of 20.

-(September 2012- present) **Research Assistant in Quantum Information group**, Atomic physics department, **Lund University, Sweden**. Project title: Increasing the coherence time of EuSYO using ZeFoz Method, Supervisor: Prof. Stefan Kröll

-(October 2006–July 2009) **Msc of Atomic and Molecular Physics**, with GPA of 15.23 Physics Department, University of Tehran, Tehran, Iran

-**GRE** General (Quantitative section: **740/800**, Verbal section: 280/800)

-**MSc thesis**: “ Thin film Thickness Measurement Using Fresnel Diffraction”, _____ supervised by *Prof. M.T. Tavassoli*

-(October 2000- January 2006) **Bsc degree in Physics**, Physics Department, USB, Zahedan, Iran

-(September 2000) Pre-university degree with GPA of **18.33**, Andishe Distinguished Center, Shiraz, Iran

-(September 1999) High School diploma with GPA of **18.88**, Andishe Distinguished high school, Shiraz, Iran

Honors and awards:

-(February 2009) Best Poster Presentation Reward from 15th National Conference on Optics, Isfahan, Iran

-(May 2006) 30th Place in National Master level Entrance Exam in Physics Discipline among approximately 15000 applicants.

-(May 2006) 58th Place in National Master level Entrance Exam in Aerology
Discipline among approximately 3000 applicants.

Publications:

- (February 2009) "Thin film thickness measurement", Poster Presentation in 15th
National Conference on Optics, Isfahan, Iran
- (October 2009) "Application of Fresnel Diffraction from a Phase Step to the
Measurement of Film Thickness", Journal of Applied Optics, Vol. 48, Issue 29, pp. 5497-
5501 (2009)
- (September 2008) "An ICA Approach to Purify Components of Spatial Components of
Seismic Recordings", 113233-MS, SPE Annual Technical Conference and Exhibition,
21-24 September 2008, Denver, Colorado, USA
- (February 2008) **Book**: "Physic for Higher Education", Modarresan-e Tehran
Publications, ISBN 978-964-7655-83-5
- (April 2007) "The Paradox of Thermal Death", Giti Magazine, Shiraz University
Professional Journal, Shiraz University, Shiraz, Iran

Responsibilities and Volunteer Activities:

Editor in chief of "Quantum" Journal, Professional Student Journal of Physics
Volunteer Activities with Iranian Red Crescent Union During Bam Earthquake, Bam ,
Iran

Teaching experience

- General physics 1, Motejalli institute of higher education ,1st semester ,2010-2011
- General physics 2, Motejalli institute of higher education ,2nd semester ,2010-2011
- Optics lab , payam nour University ,1st semester ,2011-2012
- Optics , payam nour University ,1st semester ,2011-2012
- Modern physics , ,payam nour University ,1st semester ,2011-2012
- Electromagnetism , ,payam nour University ,1st semester ,2011-2012

Skills:

- English language (Writing, Reading and Speaking) in Advanced level
- Persian language, Native
- Experienced in Optics lab
- Experienced in working with *Maple*
- Experienced in *Matlab* programming
- Experienced in all Microsoft Office tools
- Experienced in different techniques of coating
- Experienced in network engineering.

Interests and Hobbies:

- Thin film
- Fourier Optics
- Hiking & Sports
- Reading

References:

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