

# Hamed Gholipour

## Academic Career

"Sc.

Atomic/Molecular Physics, Minor in Quantum Information Science, Iran University of Science & Technology (IUST), Tehran, Iran; December 2012

Thesis: A Review and analysis of polarization entanglement experiment for violation of Bell's inequality, under the supervision of Prof. Dr. B. Ghafary

BSc.

Solid State Physics, Imam Khomeini International University (IKIU), Qazvin, Iran; July 2010

Diploma

Mathematics and Physics, Salam High school, Tehran, Iran; June 2006

## Publications

Hamed Gholipour, Farid Shahandeh, Entanglement and nonclassicality: A mutual impression, Phys. Rev. A 93, 062378 (2016)

Hamed Gholipour, Farid Shahandeh, Entanglement and nonclassicality: A mutual impression, approved for poster contribution to the IASBS-ICTP Workshop on Structured Light and Matter: Concepts and Applications, 22-23 September 2016, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

Hamed Gholipour, Review and analysis of violation of Bell's inequality in polarization entanglement experiment, approved for poster contribution to the Quantum Information conference, 4-5 September 2013, Shahrood University, Shahrood, Iran

## Research Interest

- Optical Quantum Information Processing
- Cavity Quantum Optomechanics
- Information- Theoretical Foundations of Quantum mechanics • Nonlinear Optics

## Academic Activities

- Contribution to the International Workshop on New Advances on Quantum Information Science and Technology, 4-5 January 2017, Institute for Research in Fundamental Sciences (IPM), School of Nano Science, Tehran, Iran

Hamed Gholipour

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- Contribution to the Workshop on Quantum Information Processing, 27-29 December 2016, School of Physics, IPM, Tehran, Iran
  - Contribution to International Iran Conference on Quantum Information (IICQI- 2016), 6-7 October 2016, Isfahan University of Technology, Isfahan, Iran

	<ul style="list-style-type: none"> <li>● Contribution to Conference on Recent Progress in Foundations of Physics (FPhy13), 6-7 November 2013, School of Physics, [PM, Tehran, Iran</li> </ul>
	<ul style="list-style-type: none"> <li>● Contribution to International Iran Conference on Quantum Information (IICQI- 2), 8-12 September 2012, Sharif University of Technology, Tehran, Iran</li> </ul>
Work Experiences	<ul style="list-style-type: none"> <li>● RA in Optics and Photonics Research Laboratory, 2011-2012, IUST, Tehran, Iran</li> <li>● Voluntary RA in Optics and Photonics Research Laboratory, 2012-2014, IUST, Tehran, Iran</li> <li>● Teacher of Mechanics, Farhangian University, spring 2013, Tehran, Iran</li> <li>● TA of Electromagnetism, AllamehDehkhoda University, Spring 2009, Qazvin, Iran</li> <li>● Organizer, Iran- Belarus joint Short Course on Nanophotonics, 27-29 May 2012, Iran University of Science and Technology, Tehran, Iran</li> </ul>
Honors	<ul style="list-style-type: none"> <li>● Ranked 430 out of about 6000 Students in National MSc. Entrance competition, September 2010</li> </ul>
Computer Skills	<ul style="list-style-type: none"> <li>● Scientific Tools: MATLAB</li> <li>● Graphic design: Photoshop</li> </ul>
Language Skills	<ul style="list-style-type: none"> <li>● Native Language: Persian</li> <li>● Second Language: English (Fluent) (TOEFL iBT:81) (IELTS: 6)</li> <li>● Third Language: German( elementary)</li> </ul>
References	<ul style="list-style-type: none"> <li>● Prof. Dr. B. Chafary, Department of Physics, Iran University of Science and Technology, Tehran, Iran Email: ghafary@iusf.ac.ir</li> <li>● Prof. Dr. A. Bahrampour, Department of Physics, Sharif University of Technology, Tehran, Iran Email: bahrapour@sharif.edu</li> <li>● Dr. M. R. Bazrafkan, Department of Physics, IKIU, Qazvin, Iran Email: bazrafkan@sci.ikiu.ac.ir</li> <li>● Mr. F. Shahandeh, Ph.D. Candidate, School of Mathematics and Physics, The University of Queensland, St Lucia, Queensland 4072, Australia Email: f.shahandeh@uq.edu.au</li> </ul>