



SOLMAZ GOLMOHAMMADI

Physics Student

Contact

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Research Interests

- Complex System
- Network Science
- Nonlinear Dynamics
- Statistical Physics
- Stochastic Analysis

Skills

- Software and Programing
 - LaTeX
 - Office
 - Matlab
 - C++
 - Python

Language

- Azeri [Mother Tongue]
- Persian [Mother Tongue]
- English [Upper Intermediate]
- French [Intermediate]

Personal Information

Full Name	Solmaz Golmohammadi
Continuous.Ph.D. * Student of Physics at Institute for Advanced Studies in Basic Sciences (IASBS), STEP Student at ICTP	
Date of Birth	20 July, 1997
Nationality	Iranian
Address	Room No. 240, Department of Physics, Institute for Advanced Studies in Basic Sciences (IASBS) 444 Prof. Yousef Sobouti Blvd., Zanjan 45137-66731, Iran

Education

Continuous Ph.D.

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran
2015 – Now

Research Phase

January 2018 - Now

Ph.D. Project Dynamics and spatial synchrony in stochastic predator-prey model

Supervisors: Dr. Mina Zarei
Dr. Jacopo Grilli

2019 - Now

B.Sc. Project Computational modeling of single neurons

Supervisor: Dr. Mina Zarei

2018-2019

Extra Project Diffractive acoustic element design and the applications in acoustic wavefront engineering

Supervisors: Dr. Ali-Reza Moradi
Dr. Saifollah Rasouli

2018-2019

Study Phase

September 2015 – June 2020

High School Diploma

2011-2015

Roshd High School, Zanjan, Iran

* An 8-year direct Ph.D. program combining undergraduate and graduate degrees starting after high school diploma.

Awards and Honors

STEP fellow (ICTP/IAEA Sandwich Training Educational Program) of The Abdus Salam
ICTP, 2020
The provincial selected at high school physics Olympiad
Roshd high school, Zanjan, Iran, 2013-2014

Talk and Presentation

Radial Diffractive Acoustical Element (DEA) (Poster Presentation)

- K. Mohsenvand, S. Golmohammadi, S. Rasouli and A.R. Moradi
7th International Symposium "Optics & its Application" (ICTP Support), Yerevan, Armenia, September 2019
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Teaching Experience

Teaching Assistant

Classical Mechanincs , to continuous Ph.D. Students and M.Sc. Student
Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran
Teaching by: Dr. Davood Abbaszadeh
Autumn 2018

Teaching

Physics for middle school students, I try to introduce Physics to the young children and teach them how to get into science.
Roshd high school, zanjan, Iran
2017- 2018
Helping students for university entrance exam, I try to teach them how to solve high schools physics questions in entrance exam.
(semiprivate), zanjan, Iran
2017-2018

Schools, Conferences and Workshops

Spring College on the Physics of Complex Systems

online event organized by ICTP, Trieste, Italy, <http://indico.ictp.it/event/9442/>
22 February 2021 - 19 March 2021

Workshop on Limits to Diversity Assembly

online event organized by ICTP, Trieste, Italy, <http://indico.ictp.it/event/9511/>
January 2021

Winter School on Quantitative Systems Biology: Quantitative Approaches in Ecosystem Ecology

online event organized by ICTP, Trieste, Italy, <http://indico.ictp.it/event/9131/>
30 November 2020 - 17 December 2020

25th IASBS Physics Winter Schools

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran
February 2020

7th International Symposium "Optics & its Application" (Poster Presentation)

(ICTP Support), Yerevan, Armenia, <http://www.ift.uni.wroc.pl/~optics2019/participants.html>
September 2019

25th Annual IASBS Meeting on Condensed Matter Physics

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran
September 2019

24th IASBS Physics Winter Schools

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran
February 2019

24th Annual IASBS Meeting on Condensed Matter Physics & School on complex Systems

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran
June 2018

Abu Rayhan Biruni in the 15st /21st Century Science & Workshop on Astrolabe

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

April 2018

- Talk by Jan P. Hogendijk and Workshop by Willem de Graaf & Tom Reijngoudt (Utrecht University, The Netherlands)

23th IASBS Physics Winter Schools

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

February 2018

Activities

Popular Science Book Club Organizer

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

2016 – Now

Member of Physics Scientific Association in IASBS

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

2016 – Now

Member of Amatory Astronomy Association in IASBS

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

2016 – Now

Organizing Committee of 25th IASBS Physics Winter Schools

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

February 2020

Organizing Committee of 25th Annual IASBS Meeting on Condensed Matter Physics

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

June 2019

Organizing Committee of 24th IASBS Physics Winter Schools

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

February 2019

Organizing Committee of 24th Annual IASBS Meeting on Condensed Matter Physics & School on complex Systems

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

June 2018

Organizing Committee of Abu Rayhan Biruni in th 15st/21st Century Science & Workshop on Astrolabe

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

April 2018

Organizing Committee of 23th IASBS Physics Winter Schools

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

February 2018

Hobbies

Book Worm, Interested in Literature and Popular Science Books, Beginner in Sport, Playing Kamancheh (Iranian Traditional Music Instrument)
