



Pouriya Miri

Personal Information

Native Iranian

Birth 9th September 1998 in Zabol, Iran

Education

2022 – now **PhD student of Computer Sciences**, *University of Ljubljana*, Ljubljana, Slovenia.

2016 – 2022 **Continues Track MSc student of Physics**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.

I defended my MSc thesis entitled "Probing the Imprint of Primordial Mass Segregation along with the Tidal Tail of Star Clusters" under the supervision of Dr. Hossein Haghi at IASBS on 06 September 2022.

2012 – 2016 **High school Diploma in Mathematics and Physics**, *Shahid Beheshti high school*, National Organization for Development of Exceptional Talents, Zahedan, Iran.

Publication

Conference proceeding **Technological Solutions for Transparent Monitoring, Citizen Engagement, and Achieving the Sustainable Development Goals**, *Proceedings of IASIA 2023 Conference*, 2023, Manila, Philippines.

Conference proceeding **Sundial sunflower**, *Proceeding's of the 22nd Meeting on Research in astronomy at IASBS*, 2019, Zanjan, Iran.

Activities

2022 – now **Young Researcher**, *Faculty of Computer and Information, University of Ljubljana*, Ljubljana, Slovenia.

2022 **Organizer of 24th Meeting on research in astronomy**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.

2021 **Organizer of the 2nd INO (Iranian National Observatory) Workshop on Star Clusters and Initial Mass Function**, *IASBS*, Zanjan, Iran.

2021 **Organizer of 26th School of Physics**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.

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- 2021 **Organizer of 26th Annual Condensed Matter Physics Meeting**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.
- 2020 **Summer Internship**, GUEST STUDENT PROGRAMME, *Jülich Supercomputing Centre (JSC)*, Jülich, Germany.
- 2020 **Organizer of 23rd Meeting on research in astronomy**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.
- 2019 **Organizer of Mercury transit workshop**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.
- 2019 **Editor of Modern Astrophysics**, (*translated into persian*), Ramz publication, Tehran, Iran.
- 2019 **Leader of observation group**, *Heliya Astronomy Society*, Zanjan, Iran.
- 2018 – 2022 **President of the Heliya Astronomy Society**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran.

Teaching Experience

- 2021 (Spring) **Teacher assistant of Differential Equations taught by Dr.Fazlollah Soleymani**, present the DE lectures, give quizzes, help students to do homework, *Department of physics IASBS*, Zanjan, Iran
- 2018–2019 **Teacher assistant of Mechanics taught by Dr.Farshid Mohammad rafie**, help students to do homework, take the exams, give quizzes, review the courses class in TA class, *Department of physics IASBS*, Zanjan, Iran
- 2018 (Fall) **Teacher assistant of Computer Programming taught by Dr.Bahman Farnoudi**, present the CP lectures, give quizzes, *Department of physics IASBS*, Zanjan, Iran

Attend Conference and seminars

- 2023 **IASIA 2023 Conference "BUILDING BETTER FUTURES OF GOVERNANCE TOWARDS ACHIEVING THE SDGS IN A VUCA WORLD."**, *University of Philippines*, Manila, Philippines, (31 July - 4 August). **(Oral presentation)**.
- 2022 **Big Data analysis with Hadoop and RHadoop**, *Slovenian National Competence Center for HPC*, Ljubljana, Slovenia, (October).
- 2020 **Introduction to parallel programming with MPI and OpenMP**, *Jülich Supercomputing Centre (JSC)*, Jülich, Germany, (10-14 August).
- 2020 **23rd Meeting on Research in Astronomy**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran, (28-29 May).
- 2020 **25th School of Physics**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran, February.
- 2019 **22nd Meeting on Research in Astronomy**, *Institute for Advanced Studies in Basic sciences (IASBS)*, Zanjan, Iran, (1-2 May). **(Poster presentation)**.
- 2019 **12th National conference on Astronomy and Astrophysics of Iran**, *Sistan and balouchestan university*, Zahedan, Iran, (30-31 January).

- 2018 **The annual physics conference of Iran**, *Tehran University*, Tehran, Iran, (26 December).
- 2018 **International Spring School and conference on multiscale Simulation of Soft Matter**, *Shiraz University of Technology*, Shiraz, Iran, (9-12 April).

Computer Skills

Operating Systems

Professional Linux, Windows

Programming Languages

Intermediate Fortran, CSS

Professional C++, Python, HTML

Scientific software

Beginner MATLAB, Gnu-plot

Professional NBODY6/7

Other software

Beginner Prezi, Adobe

Intermediate Photoshop, \LaTeX

Professional Microsoft Office

Languages

Native **Persian**

Intermediate **English**

Experimental Skills

2019-2022 **Manager of Computational systems of GaSDyn Group** *Hardware and Software*

2020-2022 **Moderator of Virtual conferences in Physics Department at IASBS**

Research Interests

- Software Engineering
- Decentralised Technology
- Aerospace Engineering
- Quantum Algorithm
- Data Sciences
- Intelligent Systems
- Blockchain Technology
- Data Sciences
- Machine learning
- Quantum Programming

References

PhD **Dr. Vlado Stankovski**, Professor of Computer Sciences, FRI, University of Ljubljana, Ljubljana, Slovenia ([Email: Vlado.Stankovski@fri.uni-lj.si](mailto:Vlado.Stankovski@fri.uni-lj.si)).

MSc **Dr. Hosein Haghi**, Professor of Physics, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran ([Email: haghi@iasbs.ac.ir](mailto:haghi@iasbs.ac.ir)).