

Saba Askari Noghani

Date of birth: 25th Sep 1992

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WORK EXPERIENCE

Professional Staff

July2022-Present

Psychiatry and Behavioral Sciences Research Center

Ebn'e Sina Psychiatry Hospital

Mashhad University of Medical Science, Iran

Graduate Teaching Assistant

Sep 2020-Mar 2022

Department of Electrical Engineering

Ferdowsi University of Mashhad, Iran.

Industrial Control: Prepared lectures and class activities for 50-55 bachelor and master students.

EDUCATION AND ACADEMIC EXPERIENCE

Master of Science in Electrical Engineering-Control

Sep 2019-Feb2022

Ferdowsi University of Mashhad, Iran

- GPA:18.20/20

Master dissertation: *Nonlinear control of DC boost converter based on deep reinforcement learning*

Supervisors: **Prof. Naser Pariz and Prof. Mohammad Bagher Naghibi Sistani**

Related Courses:

- Digital Control (20/20), Optimal Control (20/20), Multivariable Control (18.86/20), Industrial Control (18.5/20), Reinforcement Learning (18/20), Advance Control Processing (17.80), Non-linear Control (17.30/20), Advanced Mathematics (17.25/20), Modern Control (17.25/20), Non-linear and linear Programming (17.00/20), Seminar (19.5/20).

Visiting Student
University of Minnesota, USA

July 2018-Jan 2018

- Summer Research Intern in **Prof. Chih-Lin Chi's Research Team.**
- Winter Research Intern in **Prof. Ronald.A Seigel's Research Team.**

Courses attended:

- Applied Health Care Database (Prof. David Pieczkiewicz)
- Data mining (Prof. George Karypis)

Bachelor of Science in clinical medical engineering
Islamic Azad University of Mashhad, Iran

Sep 2012-July2018

- Dissertation title: *Android app for measuring the severity of anxiety based on Beck Inventory*
- GPA: 17.05/20

Supervisor: **Prof. Mohammad Mehdi Khalilzadeh**

Related Courses:

- Mathematics: Engineering Mathematics (**19/20**), Numerical calculations (**19.75/20**)
Probability and Statistics (**18.75/20**), Computational Intelligence (**20/20**), Linear Control (**20/20**), Signals and Systems Analysis (**20/20**), Sensors and Convertors (**20/20**),
Fundamentals of Electricity (**18.75/20**), Fundamentals of Electronics and Digital (**17.25/20**)

PUBLICATION

Saba Askari Noghani and Ali Maghami (2019) Android app for measurement of the severity of anxiety based on Beck Inventory, International Conference of Engineering and Tecnology-Norway.

Saba Askari Noghani, Naser Pariz and Mohammad Bagher Naghibi Sistani (2022)
Implementation of deep reinforcement learning for intelligent control of boost converter, 9th
Iranian Joint Congress on Fuzzy and Intelligent Systems-Bam,Iran, (In Persian).

TECHNICAL SKILLS

Programming languages: MATLAB, C++

Others: Simiulink, Plexim, Auto Cad, Microsoft Office, LaTeX.

HONORS AND AWARDS

- First Ranked among Master Students (2022).
- Student Paper Award Finalist in *6th Young Mathematics Researchers* (2009).

CERTIFICATION

- Designing and Installing off-grid and on-grid Solar Power Systems (2022).

ORAL PRESENTATION AND CONFERENCES ATTENDED

- Hamiltonian and Eulerian graphs. *6th Young Mathematics Researchers (Reza Sadeghi)*, National Organization for Development of Exceptional Talents (NODET) Mashhad, Iran. (In Persian), **Student Paper Award Finalist**- Jan 2009
- ^{2nd} Brain Network Symposium, Ferdowsi University of Mashhad, Iran - Jan 2018
- ^{9th} Iranian Joint Congress on Fuzzy and Intelligent Systems-Bam,Iran.(In Persian)- March 2022

LANGUAGES

Persian: Mother Tongue

English: Fluent

Arabic: Intermediate

ACTIVITIES

- Volunteer Aid Worker for *Conversation Exchange Program in TandemPlus*, University of Minnesota, United States (2018).

REFERENCES

Naser Pariz, Professor

Department of Electrical Engineering

Ferdowsi University of Mashhad, Iran

Tel: +989155159162

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Ali Talaei, Professor

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Mashhad University of Medical Science
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Mohammad Bagher Naghibi Sistani, Associate Professor

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