



ALIREZA NEZAMDOUST

Ph.D. student in the Department of Information Engineering, Electronics and Telecommunications (DIET) of Sapienza University of Rome, Italy.

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PERSONAL INFORMATION

- **First Name:** Alireza
- **Last Name:** Nezamdoust
- **Date of Birth:** April, 26, 1990
- **Gender:** Male
- **Marital Status:** Single

STATUS

- A second semester Ph.D. student in the Department of Information Engineering, Electronics and Telecommunications (DIET) of Sapienza University of Rome, Italy.
- My research topic involves algorithms for Machine Learning and Artificial Intelligence.

EDUCATION

- **B.Sc.**, Communication Engineering at Sadjad University (2007-2012) Mashhad, Iran
Thesis: *Demand Side Management in Restructured Power System*
Advisor: Dr. Somayeh Hassanpour
- **M.Sc.**, Communication Engineering at Shahrood University of Technology (2013-2016), Shahrood, Semnan, Iran.
Thesis: *Adaptive Non-linear Echo Cancellation by Soft Computing Algorithms*
Advisor: Dr. Omidreza Maarouzi

WORKING EXPERINECES

- Artin Energy Vira Engineering group (ArEnViCo), R&D center (2019 – now)
Website: <http://www.arenvico.com/>
- IT department of Najafigol group, representative of Irankhodro industrial group, (2017 - 2019), **Website:** <http://www.3042najafi.com/>
- Student Work at IT Room at Shahrood University of Technology, (2014 - 2015),
Website: <http://shahroodut.ac.ir/en/>
- Internship in Shahrood Science and Technology Park (2015)
Website: <http://ati.shahroodut.ac.ir/>

LANGUAGES

- Fluent in *Persian* as my native language.
- Excellent in *English* as my second language.

COMPUTER SKILLS

Programming Languages

- MATLAB
- Python, Open CV
- Jupyter notebook
- Function Block Diagram (FBD) - PLC
- Ladder Logic (LAD) - PLC
- Statement List (STL) - PLC

Technical Software

- Bascom, Proteus & Max Plus
- Altium Designer
- Programmable Logic Controllers (PLC)
- SIMATIC Manager
- PLC LOGO!
- Logo Soft Comfort
- Totally Integrated Automation Portal (TIA Portal)

PERSONAL INTERESTS

- Cycling.
- Going out with friends.
- Hiking and jogging.
- Photography.
- Reading books and newspaper.

SCIENTIFIC SOCIETIES AND ACTIVITIES

- Member of IAEEE (2015- Now)
- Python, Open CV certificate from Sadjad Institute of Technology with very good degree (2018)
- PLC certificate from Mashhad polytechnic center (2020)
- PLC LOGO! certificate from Mashhad polytechnic center (2020)
- Contribution in holding ‘‘6th Conference on Information and Knowledge Technology (IKT)’’ organized by Shahrood University of Technology ,Shahrood, Iran (May 28-30, 2014), **Website:** <https://www.ieee.org.ir/conference/ikt-2014/>

PUBLICATIONS

- D. Comminiello, A. Nezamdoust, S. Scardapane, M. Scarpiniti, A. Hussain, and A. Uncini, " *A New Class of Efficient Adaptive Filters for Online Nonlinear Modeling*", submitted to IEEE Transactions on Cybernetics, 2022.
- A. Nezamdoust & O. Maarouzi, " *Investigation Non-linear echo cancellation in presence of linear echo using Chebyshev collaborative functional link algorithm*", the 4th National Conference of New Achievements in Electrical, Computer and Industrial Engineering, Esfarayen, Iran, 2018.
- A. Nezamdoust & O. Maarouzi, " *Investigation of non-linear echo cancellation using Chebyshev functional link algorithm*", the 4th National Conference of New

Achievements in Electrical, Computer and Industrial Engineering, Esfarayen, Iran, 2018.

- A. Nezamdoust & O. Maarouzi, " *Comparision of trigonometric, Chebyshev and Lojander algorithm in echo cancellation*", the first International Conference on Electrical Engineering Computer Science and Information Technology, Hamadan, Iran, 2017.

FIELDS OF INTEREST

- Artificial Intelligence
- Machine Learning
- Data Science
- Deep Learning
- Electronic systems
- Data Communication & Computer Network
- Neural Networks
- Signal Processing
- Wireless communication
- Telecommunication systems
- computational audio processing
- nonlinear adaptive systems

REFERENCES

- **Dr. Danilo Comminiello**
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