

Ehsan Lari — Curriculum Vitae

Trondheim – Norway

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Homepage

Highlights

- PhD specialized in statistical machine learning and signal processing from NTNU Trondheim
- 4+ years research experience in the development of statistical learning algorithms
- Teaching experience in statistical machine learning courses
- Research experience in distributed statistical machine learning algorithms
- Several publications in high-quality venues including ICASSP and EUSIPCO
- Strong academic background in mathematics, statistics, linear algebra, and optimization
- Curious learner looking forward to making meaningful contributions in tackling fresh challenges

Professional Positions

Assistant Professor

Department of Electronic Systems

Norwegian University of Science and Technology (NTNU)

Trondheim, Norway

Fall 2022

Education

Norwegian University of Science and Technology (NTNU)

Ph.D. in Electrical Engineering

Department of Electronic Systems (IES)

Trondheim, Norway

Spring 2020–Spring 2024

Amirkabir University of Technology (Tehran Polytechnic)

M.Sc. in Electrical Engineering, GPA: 3.91/4

Telecommunications and Signal Processing Group

Tehran, Iran

Fall 2016–Fall 2018

Amirkabir University of Technology (Tehran Polytechnic)

B.Sc. in Electrical Engineering, Dual degree, GPA: 3.92/4

Telecommunications and Signal Processing Group

Tehran, Iran

Fall 2012–Fall 2016

PhD Project

Thesis Title: *Distributed Learning with Enhanced Efficiency, Robustness and Privacy*

Supervisors: Prof. Stefan Werner (NTNU, Norway), Reza Arablouei (CSIRO's Data61, Australia)

Skills

Programming Languages: Python

Engineering Softwares: MATLAB, Microsoft Office

Soft Skills: Problem Solving, Critical Thinking, Communication, Teamwork, Adaptability, Time Management, Leadership

Publications

Journal Papers

- E. Lari, R. Arablouei, V. C. Gogineni, S. Werner, "Noise-Robust and Resource-Efficient ADMM-based Federated Learning", submitted to IEEE Open Journal of Signal Processing.
- E. Lari, R. Arablouei, V. C. Gogineni, S. Werner, "Resilience in Online Federated Learning: Mitigating Model-Poisoning Attacks via Partial Sharing", submitted to IEEE Transactions on Signal and Information Processing over Networks.

Conference Papers

- E. Lari, R. Arablouei, and S. Werner, "Privacy-Preserving Distributed Nonnegative Matrix Factorization," in Proc. IEEE EUSIPCO 2024, Lyon, France, Aug. 2024.
- E. Lari, R. Arablouei, N. K. D. Venkategowda, and S. Werner, "Distributed Maximum Consensus over Noisy Links," in Proc. IEEE EUSIPCO 2024, Lyon, France, Aug. 2024.
- E. Lari, V. C. Gogineni, R. Arablouei, and S. Werner, "On the Resilience of Online Federated Learning to Model Poisoning Attacks through Partial Sharing," in Proc. IEEE ICASSP, Seoul, South Korea, Apr. 2024.
- E. Lari, V. C. Gogineni, R. Arablouei, and S. Werner, "Continual Local Updates for Federated Learning with Enhanced Robustness to Link Noise," in Proc. IEEE APSIPA, Taipei, Taiwan, Nov. 2023.
- E. Lari, V. C. Gogineni, R. Arablouei, and S. Werner, "Resource-Efficient Federated Learning Robust to Communication Errors," in Proc. IEEE SSP Workshop, Hanoi, Vietnam, July 2023.

Languages

Persian: Native proficiency

English: Full professional proficiency

Norwegian, Bokmål: Limited working proficiency

Honors and awards

Offer for Assistant Professor Position
NTNU

Department of Electronic Systems (IES)
Fall 2022

Accepted for PhD Program
NTNU

Department of Electronic Systems (IES)
Fall 2019

McGill Engineering International Tuition Award (MEITA)
McGill university

ECE Department
Fall 2019

Accepted for PhD Program
McGill university

ECE Department
Fall 2019

References

Can be provided upon request