

CURRIICULUM VIITAE

Elham Moeinaddini

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Personal Information

Full Name: Elham Moeinaddini
Date of Birth: 1981/05/24 (3/5/1360)
Place of Birth: Kerman, Iran
National ID: 2992810691
Gender: Female

Education

Degree	Field	University	GPA (out of 20)	From	To	Country	City
Ph.D.	Computer Engineering – Software	Shahid Beheshti University	19.0	2019	2023	Iran	Tehran
M.Sc.	Computer Science	University of Delhi	15.6	2005	2007	India	Delhi
B.Sc.	Computer Science	Shahid Bahonar University	14.31	2001	2004	Iran	Kerman

Ph.D. Dissertation: *A Self-Adaptive Model for Trust Evaluation in the Social Internet of Things Using Machine Learning*
M.Sc. Thesis: *Digital Watermarking Techniques*

Academic Positions

Position	Institution	Location	From	To
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Faculty Member (Associate Professor)	University of Jiroft	Jiroft, Iran	2012	Present
Faculty Member	Payame Noor University, Jiroft	Jiroft, Iran	2008	2011

Teaching Experience

University of Jiroft — Department of Computer Engineering (B.Sc. Level)

- Fundamentals of Computer & Programming
- Logic Circuits
- Embedded & Real-Time Systems
- Advanced Programming
- Data Structures & Algorithms
- Theory of Languages & Machines
- Technical English

Research Publications

Journal Papers (Indexed)

- [1] E. Moeinaddini and E. Nazemi, "GossipTrust: A decentralized trust management model for SIoT via gossip learning and MAPE-K control loop," *Journal of Innovations in Computer Science and Engineering (JICSE)*, vol. 4, pp. 1–12, 2025.
- [2] E. Moeinaddini, E. Nazemi, and A. Shahraki, "Enhancing security and trustworthiness in the social internet of things through incremental trust modeling," *Journal of Reliable Intelligent Environments*, vol. 11, art. no. 18, 2025.
- [3] E. Moeinaddini, E. Nazemi, and A. Shahraki, "A new approach on self-adaptive trust management for social Internet of Things," *Computer Networks*, vol. 263, p. 111187, 2025.
- [4] P. Khani, E. Moeinaddini, N. D. Abnavi, and A. Shahraki, "Explainable artificial intelligence for feature selection in network traffic classification: A comparative study," *Transactions on Emerging Telecommunications Technologies*, vol. 35, no. 4, p. e4970, 2024.
- [5] E. Moeinaddini and E. Nazemi, "Improving the trust framework and solving the cold start problem using the I-sharing concept," *Journal of Information and Communication Technology Research*, vol. 11, no. 2, pp. 76–90, 2022.
- [6] E. Moeinaddini, "The role of image steganography optimization using the firefly algorithm for selecting the optimal block and cover image," *Journal of Machine Vision and Image Processing*, vol. 6, no. 2, pp. 89–104, 2019.
- [7] E. Moeinaddini, "Selecting optimal blocks for image watermarking using entropy and discrete cosine transform algorithm," *Soft Computing*, 2018, doi: 10.1007/s00500-018-3535-9.
- [8] E. Moeinaddini and F. Afsari, "Robust watermarking in DWT domain using SVD and opposition and dimensional based modified firefly algorithm," *Multimedia Tools and Applications*, vol. 77, no. 19, 2018.

[9] E. Moeinaddini, "A novel perceptually adaptive image watermarking scheme by selecting adaptive threshold in DHT domain," *Journal of Fundamental and Applied Sciences*, vol. 9, p. 63, 2016.

Conference Papers

[1] E. Moeinaddini, M. Abdous, and E. Nazemi, "ISAAF: An improved firefly framework based on memory and I-sharing," in *Proc. 11th Int. Conf. Information Technology and Knowledge*, Shahid Beheshti University, Tehran, Iran, Dec. 2020.

[2] E. Moeinaddini, "Optimal block selection for image watermarking using improved firefly algorithm (ODFA)," in *Proc. 3rd Conf. Computational Intelligence and Knowledge Engineering*, Iran, 2017.

[3] E. Moeinaddini, "A new method for multiple image steganography based on the firefly algorithm," in *Proc. 2nd Conf. Computational Intelligence and Knowledge Engineering*, Shahid Bahonar University, Kerman, Iran, 2016.

[4] E. Moeinaddini, "A new image watermarking method using block coefficients in DHT domain," in *Proc. 8th Int. Conf. Information and Knowledge Technology*, Ferdowsi University of Mashhad, Iran, 2016.

[5] E. Moeinaddini, "A robust watermarking scheme in DWT without degrading image quality," in *Proc. 3rd Int. Conf. Applied Research in Computer & Information Technology*, Malek-Ashtar University of Technology, Tehran, Iran, 2015.

[6] E. Moeinaddini and R. Ghasemkhani, "A novel image watermarking scheme using block coefficients in DHT domain," in *Proc. Int. Symp. Artificial Intelligence and Signal Processing*, Ferdowsi University of Mashhad, Iran, 2015.

[7] E. Moeinaddini, "A new method for multiple digital image steganography in the frequency domain," in *Proc. 12th Iranian Intelligent Systems Conf.*, Bam Higher Education Complex, Iran, 2014.

Research Projects (Completed)

#	Title	Type	Date
1	Improving Image Steganography Using Modified Firefly Algorithm	Steganography	2021/07/24
2	Hadamard Transform-Based Steganography	Steganography	2020/08/24

Reviewing Activities (International & National Journals)

#	Journal	Manuscript Title	Year
1	Iranian Journal of Science and Technology Transactions of Electrical Engineering	Enhancing Data Security in Images via Adaptive Chunk Partitioning and Compression Resilient Embedding	2026

2	Supercomputing	A Synergistic Framework for Secure IoT Multimedia Communication using Adaptive Pixel Scrambling and Chaotic-Latent Deep Autoencoders	2026
3	Security and Privacy	An Explainable Edge Security Framework for Intrusion Detection through Spatio-Temporal Polarimetric Contexture Convolutional Neural Network-Based Anomaly Analysis in IoT Gateways	2026
4	Transactions on Emerging Telecommunications Technologies	An Intelligent Mobile System of Traffic Multi-Classification in IoT Smart City by Enhanced Optimization-Assisted Weighted Features in Multiscale Residual Hybrid Deep Network	2025
5	Transactions on Emerging Telecommunications Technologies	Enhancing Trust Management in Peer-to-Peer Networks Through Blockchain-Based Machine Learning Anomaly Detection	2025

Workshops & Training Courses

#	Workshop Title	Institution	Role	Date
1	EndNote Software Training	University of Jiroft	Instructor	2013/09/06
2	EndNote Software Training	South Kerman Agricultural Research Center	Instructor	2013/10/23
3	CorelDraw Software Training	Islamic Azad University, Jiroft	Instructor	—
4	CorelDraw Software Training	Islamic Azad University, Jiroft	Instructor	—

Administrative Responsibilities

- Member of the Specialized Committee for Information Technology Development
- Support and Affairs, University of Jiroft

Honors & Awards

- Exemplary Professor — University of Jiroft, 2014
- Top Researcher — Faculty of Engineering, 2018

Skills

- Programming: C/C++, Python, Pascal, Java
- Machine Learning: Trust Modeling, Anomaly Detection, Deep Learning, TensorFlow, PyTorch, Scikit-learn
- Operating System: Linux, Windows
- DBMS: SQL, Oracle
- Development Tools/IDE: Matlab, Eclipse
- Reference Management: Mendeley, EndNote, BibTeX
- Tools: LaTeX, Overleaf
- Office Software: Microsoft Office (Word, Excel, PowerPoint)
- Concepts: UML
- Version Control: Git, GitHub
- Languages: Persian (Native), English (Professional)

References

Available upon request.