

Ehsan Amiri (he/him)

Email: e.e.amiri@gmail.com, [Google Scholar](#)

Education

Ph.D. Computer Engineering (AI), Islamic Azad University, Sanandaj, Iran - 2024

Thesis title: "An improved copy-move forgery detection in digital images"

M.Sc. in Computer Engineering (AI), Islamic Azad University, Qazvin, Iran

Thesis title: "Road sign recognition using HMM and SVM"

Selected Courses: Artificial Intelligence (AI)

B.Sc. in Computer Engineering, PayamNoor University, Lamerd, Iran

Research Interests

Machine Learning, Image Processing, Speech Processing, Computer Vision, Image and Video Forensic, Image Fusion.

Publications

Journal Publications:

- **Amiri, Ehsan**, Zahra Roozbakhsh, Saeed Amiri, and Mohammad Hasan Asadi. "Detection of Topographic Images of Keratoconus Disease Using Machine Vision." *International Journal of Engineering Science and Application* 4, no. 4 (2020): 145-150.
(<https://dergipark.org.tr/en/pub/ijesa/issue/58838/832076>).
- Basiri, Keivan, **Ehsan AMIRI**, Zahra GHASEMI, and Saeed AMIRI. "Assessing the quality of e-learning with the help of two different perspectives among high school students (Case study: High schools in Jahrom, Iran)." *International Journal of Multidisciplinary Studies and Innovative Technologies* 5, no. 1 (2021): 13-18.
(<https://dergipark.org.tr/en/pub/ijmsit/issue/60826/869944>)
- **Amiri, Ehsan**, Ahmad Mosallanejad, and Amir Sheikhhahmadi. "Copy-move forgery detection using a bat algorithm with mutation." *International Journal of Nonlinear Analysis and Applications* 12 (2021): 1947-1955.
([10.22075/ijnaa.2021.24642.2786](https://doi.org/10.22075/ijnaa.2021.24642.2786))
- **Amiri, Ehsan**, Ahmad Mosallanejad, and Amiri Sheikhhahmadi. "Copy-Move Forgery Detection by an Optimal Keypoint on SIFT (OKSIFT) Method." *Journal of Computer & Robotics* 14, no. 2 (2021): 11-19.
([10.22094/JCR.2021.687485](https://doi.org/10.22094/JCR.2021.687485))
- **Amiri, Ehsan**, Mina Rahmanian, Saeed Amiri, and Hadi Yazdani Praee. "Medical images fusion using two-stage combined model DWT and DCT." *International Advanced Researches and Engineering Journal* 5, no. 3 (2021): 344-351.
(<https://doi.org/10.35860/iarej.910982>)
- **Amiri, Ehsan**, Saeed Amiri, Haniyeh Raghibnezhad, and Ahmad Kazemi. "Differentiation in Differentiation Method and Neural Network to Investigate Different Criteria of Economic

Productivity." International Journal of Pioneering Technology and Engineering 1, no. 01 (2022): 1-5.

<https://doi.org/10.56158/jpte.2022.14.1.01>

- **Amiri, Ehsan**, Ahmad Mosallanejad, and Amir Sheikahmadi. "Copy-Move Forgery Detection Using an Equilibrium Optimization Algorithm (CMFDEOA)." Statistics, Optimization & Information Computing 11, no. 3 (2023): 677-684.

<https://doi.org/10.19139/soic-2310-5070-1511>

- **Amiri, Ehsan**, Ahmad Mosallanejad, and Amir Sheikahmadi. "Copy-Move Forgery Detection using EOA, DWT and DCT." Pamukkale University Journal of Engineering Sciences 1000, no. 1000 (2023): 1-8.

<https://doi.org/10.5505/pajes.2023.94395>

- **Amiri, Ehsan**, Ahmad Mosallanejad, and Amir Sheikahmadi. "CFDMI-SEC: An optimal model for copy-move forgery detection of medical image using SIFT, EOM and CHM." Plos one 19, no. 7 (2024): e0303332.

<https://doi.org/10.1371/journal.pone.0303332>

Conferences:

- Mohammad Hassan Asadi Dehziri, **Ehsan Amiri**, Roya Fatahian, (2019). Presenting a new solution based on fuzzy logic to recognize doctors' handwriting, COI: MHCONF03_094, "Annual International Conference on New Horizons in Electrical, Computer and Mechanical engineering", Tehran, Iran.
- Hadi Yazdani Praei, Fereshte Sobhani, **Ehsan Amiri**, (2019). Introducing a new method for improving load balance using the firefly algorithm, COI: ICIRES03_059, "International Conference on Innovation and Research in Engineering Sciences", Georgia, 2019.
- Mohammad Hassan Asadi Dehziri, **Ehsan Amiri**, Saeed Amiri, (2018). Recognition of medical prescriptions with the help of a new fuzzy model, COI: CEITS02_030, "Second National Computer and Information Technology Conference", Sepidan, Iran.

Reviewing papers for peer-reviewed journal

- Expert Systems With Applications (IF: 8.665) (62 reviews)
- The Journal of Supercomputing (IF: 2.557) (2 review)
- Intelligent Systems with Applications (IF: 0.0) (2 reviews)

Teaching Experiences

- Instructor, Computer Engineering Department, Jahrom University, Jahrom, Iran, Fall 2017- Present

Computer Skills

- Programming language: Python, MATLAB, R.
- Engineering Software: 3Ds max, Maya.

Research project

- Completed the research project "Detection of Intelligent Change in the Use of Gardens and Farms in Qasr-al-Dasht, Shiraz" under contract with the Shiraz city municipality.
- Cooperation on the research project "Methods to Reduce Earthquake Effects in Tehran" for the completed contract with Tehran Region 5 municipality.
- Cooperation in the completed research project "Prediction of Tehran Stock Exchange Shares Using Smart Algorithms" with the Faculty of Management at Qazvin Islamic Azad University.
- Director of the animation team for "New Structure in Dental and Jaw Surgery" (personal contract in progress).

References

- Dr. Ahmad Mosallanejad, Dept. of Computer Engineering, Islamic Azad University, Sepidan, Iran, E-mail: ahmad.upm@gmail.com.
- Dr. Amir Sheikhamadi, Dept. of Computer Engineering, Islamic Azad University, Sanandaj, Iran, E-mail: amir.sheikhahmadi@gmail.com.