




Fatemeh Aghaeipoor

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CURRENT POSITION

Assistant professor at Alzahra University

RESEARCH INTERESTS

Machine Learning, Deep Learning, Computer Vision, Data Science, eXplainable Artificial Intelligence(XAI), Big Data, Fuzzy theory.

EDUCATION

Ph.D. in Computer Science (Soft Computing and Artificial Intelligence)

Department of Math and computer science, Shahid Bahonar University of Kerman, Iran [09/2017 – 09/2020].

Thesis: A multi-objective evolutionary fuzzy system for learning high dimensional regression.

M.Sc. in Artificial Intelligence (AI)

Department of Computer Engineering, Shahid Bahonar University of Kerman, Iran [09/2012 – 11/2014].

Thesis: Usage of intelligent methods in target tracking in wireless sensor networks.

B.Sc. in Software Engineering

Department of Computer Engineering, Iran University of Science & Technology (IUST), Tehran, Iran [2008].

Thesis: Fire Detection in wireless sensor networks.

WORK EXPERIENCE

Lecturer at Shahid Bahonar University of Kerman, Kerman, Iran, [09/2014 – present].

TECHNICAL SKILLS

- **Computer Vision tasks:** image classification, object detection/recognition/segmentation, CNNs, R-CNNs, YOLOs, GANs, vision transformers, transfer learning using pre-trained models like VGG, MobileNet, Inception, ResNet, etc.
- **Data Science tasks:** Data acquiring, cleaning, exploring, visualizing, building predictive models.
- **Optimization algorithms:** PSO, Genetic, ACO, NSGA, SPEA, etc.
- **Others:** Data-driven fuzzy models

PROGRAMMING SKILLS

- **Python, Matlab, C, C++, C#**
- **ML** - (scikit-learn, NumPy, Pandas, matplotlib, Seaborn, Plotly)
- **Deep learning** (Tensorflow, Keras, pytorch)
- **Big Data** (Spark Framework: PySpark, Scala)
- **Others:** OPENCV2, Git, UML, MySQL

RESEARCH EXPERIENCES

- **Visiting Researcher at University of Granada, Spain,**
Under supervision of Francisco Herrera and Alberto Fernandez, 2019 – 2020.
- **Attendance in the 2nd Winter School of GraDana Erasmus+ Project,**
Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece, 2019.
- **Collaboration in 3 National projects at Mahani research center, Shahid Bahonar University of Kerman.**

HONORS AND AWARDS

- Best Researcher Award in Shahid Bahonar University of Kerman - 2020.
- Best Researcher Award in computer science department, Shahid Bahonar University of Kerman - 2019.
- First Rank graduate PhD student in computer Science, Shahid Bahonar University of Kerman - 2020.
- Second Rank graduate M.Sc. student in computer Engineering, Shahid Bahonar University of Kerman - 2014.

PROFESSIONAL SERVICE

- **Program Committee:** The 8th World Congress on Engineering and Technology (CET 2021) .
- **Reviewer:** Applied Soft Computing, Information Sciences.

LANGUAGE SKILLS

- **Mother tongue(s):** Persian language
- **Other language(s):** English language Proficient user

REFERENCES

- **Alberto Fernández**, Associate Professor in Computer Science and Artificial Intelligence, University of Granada, alberto@decsai.ugr.es
- **Mohammad Masood Javidi**, Associate Professor in Computer Science, Shahid Bahonar University of Kerman. javidi@uk.ac.ir