



Postdoctoral fellowship position

SDAIA-KFUPM Joint Research Center for Artificial Intelligence (JRC-AI) is seeking Postdoctoral Researchers to join JRC-AI, a research center focusing on making fundamental progress in Artificial Intelligence (AI).

The AI postdoctoral fellows are expected to have a strong background in Artificial Intelligence (AI), Machine Learning (ML), Computer Vision, and/or Natural Language Processing. The candidate should have a Ph.D. in a field related to science, computer, technology, engineering or math. They should have a good publication record demonstrating AI/ML development or implementation.

An ideal candidate should have at least one or more of the following expertise:

- Strong background in theory and applications of AI and Data Science
- Hands-on experience in AI development and deployment
- Hands-on experience in using the related toolkits with pre-trained models and customizations
- Data-driven dynamical systems and physical modeling
- AI-based operations and control algorithms
- Applications of AI in relevant areas including, but are not limited to, forecasting, optimal placement of measurement/sensing devices, abnormality detection

The AI Postdoctoral Fellow will be engaged with the supervisor and other researchers in the center to develop and implement the research agenda, publish world-class research works, and translate the research into products, and deployable models for real-life use.

The candidates will be able to gain valuable experience in a top-tier research center, publish academic papers on a regular basis, and build their reputation across the world. Postdoc positions are one year and may be extended to two years. Applicants are welcome to apply at any time via:

<https://postdoc.kfupm.edu.sa/how-to-apply.html>

Responsibilities

- Perform cutting-edge research to advance the science and technology of intelligent machines.
- Collaborate with the supervisor and other researchers to develop and implement the research agenda.
- Design and implement experiments to test research ideas on a variety of problems.

- Conduct cutting-edge research in novel AI/ML projects in various engineering fields.
- Publish high-quality journal articles and present research at local/international conferences.
- Participate and lead in writing research proposals.
- Interact with industry and target for product development & commercialization.
- Contribute actively to the national grand challenges.

Requirements

- Currently has or is in the process of obtaining a PhD degree or completing a postdoctoral assignment in a field related to science, computer, technology, engineering, or math. Degree must be completed prior to joining JRC-AI.
- Research & academic background in Artificial Intelligence
- Strong proven track record of scholarly achievements particularly first-authored publications at peer-reviewed top-rated ISI journals and reputed international conferences. Research and engineering experience demonstrated via research grants, fellowships, patents, internships, work experience, and/or coding competitions.
- Experience solving analytical problems using analytic and quantitative approaches.
- Experience coding in Python, Matlab, C/C++, C#, or other programming languages for scientific computing.
- Excellent communication and presentation skills with proficiency in spoken and written English, and the ability to work with others, think independently, integrate ideas, and be self-directed.

Salary & Benefits

It is important that financial support provided for Postdoctoral Fellows is at a level that enables them to have a productive and rewarding experience at KFUPM. The minimum salary and stipend rates for Postdoctoral Fellows are consistent with those set by top institutions in the world. The remunerations and benefits of a Postdoctoral Fellow are as per their employment contract. They are eligible for:

- Monthly salary with one month paid annual vacation
- Housing or housing allowance
- Health services and Campus Medical Facility
- Office Space and Computing Facilities (PC, access to HPC, etc.)
- Access to sports facilities, free parking, etc.

About JRC-AI

SDAIA-KFUPM Joint Research Center for Artificial Intelligence (JRC-AI) was recently established at KFUPM to advance the research in the field of Artificial Intelligence (AI). The center aims to establish the Kingdom as a global leader among the league of data-driven economies by conducting and supporting research and innovation in AI, developing use-cases and solutions in accordance with the Saudi National Strategy of Data & AI to achieve the Kingdom's Vision 2030. The center is home to faculty and researchers from various departments to conduct innovative pioneer research, solve real-world problems, and address complex cognitive tasks.