



INTERDISCIPLINARY RESEARCH CENTER *for*

Intelligent Secure Systems

Postdoctoral Fellowship

The Interdisciplinary Research Center for Intelligent Secure Systems is seeking Postdoctoral Researchers to join full-time on conducting impactful research at KFUPM. An ideal candidate should have strong background in at least one of the following areas:

- Cybersecurity: Computer and network security, Cryptography, Blockchain
- Intelligent systems: surveillance systems, Auto-healing systems, Arabic computing
- Computing Systems: Cloud/Edge computing, Distributed computing
- AI and ML Applications in security: Intrusion detection, proactive security
- Cyber-physical Systems: IT/OT and ICS security, IoT and IIoT security

Job Responsibility

- Perform cutting-edge research to advance the science and technology of intelligent and secure systems.
- 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.
- 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.
- Participate in teaching and mentoring students.

Requirements

- Currently has or is in the process of obtaining a PhD degree or completing a postdoctoral assignment in a field related to Computer Science, Computer Engineering, Electrical Engineering, Math, Industrial Systems Engineering.
- Degree must be completed prior to joining IRC-ISS and no earlier than 2018.
- 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 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.

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 o Housing or housing allowance
- Health services and Campus Medical Facility
- Office Space and Computing Facilities (PC, access to HPC, etc.)

The successful candidate must demonstrate strong publication record in one of the above areas. Hands-on experience, experience in similar centers, or internships in one on the above areas is a plus. For more information, please contact irc-iss@kfupm.edu.sa or visit <https://ri.kfupm.edu.sa/iss>