

In the name of Allah  
the most gracious the most merciful

**This job posting applies to both postdoctoral and graduate research position in microelectronics, embedded systems and analog circuit design**

Prospective researchers are invited to join a team developing miniaturized electrophysiological recording systems used in animal labs at the institute for research in fundamental science (IPM) under the supervision of Dr. Mohammad Mahdi Ahmadi. Laboratory animal neural recording tests especially for songbirds in the IPM's Birdslab will be taken during the development, therefore the researcher should have interest and enthusiasm to do scientific tasks with animal models.

Requirements for an ideal candidate:

- Academic graduate background in biomedical, electrical or computer engineering.
- Experienced in designing, debugging, and supporting analog/digital circuits as well as real-time embedded electronics for microprocessor-based systems.
- Strong background using schematic diagram development tools (e.g., ORCAD/Altium), PC board layout tools (e.g., ORCAD/ Altium), and simulation tools (e.g., SPICE).
- Strong PCB design and assembling skills.
- Ability to troubleshoot issues with electronic circuits and determine corrective actions
- Strong written and verbal communication skills.

This is a funded research position in a joint program of IPM and Sharif University of Technology subject to the Iran ministry of science regulations.

Interested applicants should send their CV and a list of two references (email and phone number) to [scs.ads@ipm.ir](mailto:scs.ads@ipm.ir).