RESEARCH SCIENTIST POSITION

Pervasive Systems Research
Nokia Bell Labs, Cambridge, UK

Future Devices, Edge AI, Mobile Systems

NOKIA AND BELL LABS

Nokia is a global leader in the technologies that connect people and things. Powered by the pioneering work of Bell Labs, our research and innovation division, and Nokia Technologies, we are at the forefront of creating and licensing the technologies that are increasingly at the heart of our connected lives. Nokia Bell Labs is internationally renowned as the birthplace of modern information theory, the transistor, the laser and the UNIX operating system.

BELL LABS CAMBRIDGE

Bell Labs' research facility in Cambridge is a leading lab working in the areas of Future Devices, Mobile Sensing and Systems, Embedded Machine Learning, and Internet of Things research.

We have multiple openings for multiple Research Scientists in the Pervasive Systems research department. The department studies the forms, intelligence and applications of mobile, IoT, wearable devices. The department's research objectives include but not limited to:

- Enhancing compute, communication, and thermal efficiency of the next billion smart devices

- Building data-efficient, distributed robust and automated device intelligence

- Designing collaborative, privacy- preserving, and interactive multi-device systems

- Redefining cross-device and multi-modal UX for spatiotemporal interaction with people, places, and things

MAIN DUTIES & RESPONSIBILITIES

- Carry out ground-breaking research in the areas of Future Device Technologies (form, intelligence, systems, and applications) with focus on above mentioned research agendas for creating both theoretical innovations and novel practical implementations.

- Propose new innovations and generate device-related patents to help continuing Nokia's leadership in intellectual property on devices and device related technologies.

- Publish research in major conferences and journals worldwide.

- Keep an active and visible role in the research community through conference committees and reviewing panels.

- Create and maintain strong collaborative associations with university-based researchers.

EXPECTED QUALIFICATIONS

- A Ph.D. in Computer Science / Electrical & Electronic Engineering with a strong focus on mobile systems or embedded machine learning research. A PostDoc experience is a plus.

- Deep understanding of embedded systems, sensory signal processing and embedded machine learning.

- Good understanding of mobile and embedded operating systems and hands on experience with mobile application development frameworks.

- A proven track record in research, with publications in prestigious journals and conferences on Mobile and Ubiquitous Computing such as MobiSys, MobiCom, SenSys, IPSN, NSDI, UbiComp etc.

- Strong written and spoken communications skills.

- Ability to conduct independent research.

Applicants will be selected on a rolling basis.

Please write to Chulhong Min (chulhong.min@nokia-bell-labs.com) and
Fahim Kawsar (fahim.kawsar@nokia-bell-labs.com) for informal discussions.