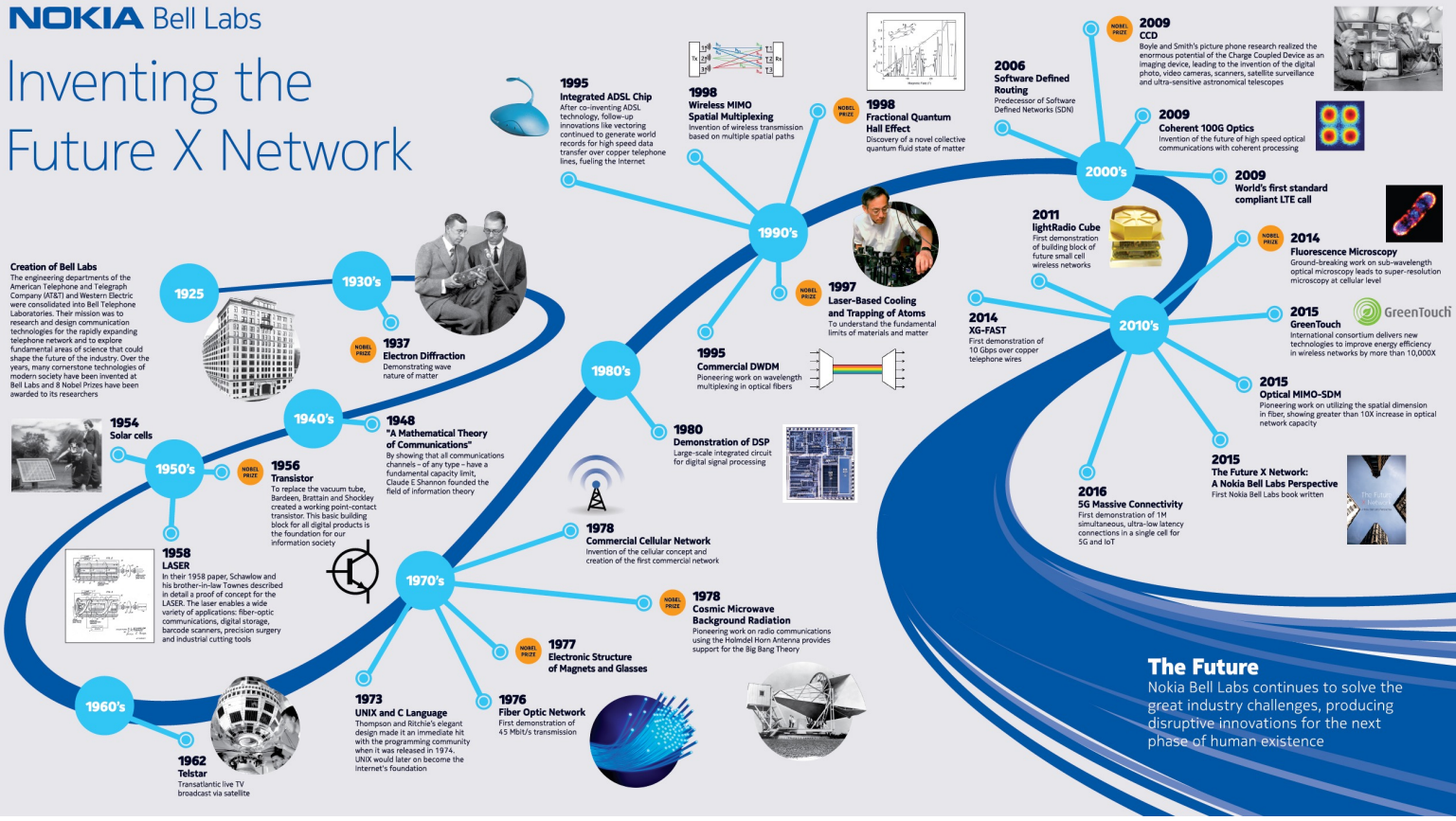

RESEARCH SCIENTIST POSITION

Pervasive Systems Research
Nokia Bell Labs, Cambridge

Embedded AI 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 Mobile Sensing and Systems, Applied Machine Learning, Social Computing and Internet of Things research.

We have openings for inspired innovators in our Pervasive Systems Department of the Application Platforms and Software Systems (A&S) research Program. The department's research agendas are:

- Embedded systems for mobile, wearable, implantable and IoT-scale devices enabling resource-efficient, robust, and personalised processing, modelling and analytics of sensory data.
- Multi-modal, multi-device AI models of human behaviour in the wild.
- Disruptive applications in the areas of Smart Built Environment, Quantified Lifestyle, 360° Wellbeing and Sensory Human Communication.

Main duties and responsibilities

1. Carry out groundbreaking research in the areas of Mobile Systems, IoT, Ubiquitous Computing and Applied Machine learning with focus on above mentioned research agendas for creating both theoretical innovations and novel practical implementations.
2. Contribute to the technical definition of research objectives and programs.
3. Propose and publish research for the major research publications worldwide.
4. Create and maintain strong collaborative associations with university-based researchers, other leading research bodies, and product business units.
5. Keep an active and visible role in the research community through conference committees and reviewing panels.

Expected qualifications, skills and experience required for this job

1. A Ph.D. in Computer Science with a strong focus on UbiComp and Mobile Computing. A PostDoc experience is a plus.
2. Deep understanding of Mobile and Embedded Operating Systems with kernel level coding experience.
3. Hands on experience with Mobile Application Development Frameworks. e.g., Android and iOS.
4. Good understanding of Machine Learning for processing sensor data.
5. A proven track record in research, with publications in prestigious journals and conferences.
6. Strong written and spoken communications skills.
7. Ability to conduct independent research while also contributing to team-oriented project.

† For informal query or more information please contact Dr. Fahim Kawsar (fahim.kawsar@nokia-bell-labs.com).