

RESEARCH DEPARTMENT HEAD

Autonomous Network Software Research
Software and Data System Research Lab
New Jersey (USA) | Antwerp (BE) | Stuttgart (DE)
Nokia Bell Labs

Networked Systems, AI/ML Systems, Web3

BELL LABS SOLUTIONS RESEARCH

Bell Labs Solutions Research leads innovative research focused on new Nokia value chains and opportunities beyond the current Nokia BG Product and Solution Portfolio for both the short and long term, including new market spaces, internal incubation, technology licensing and possible “spin out” opportunities.

SOFTWARE AND DATA SYSTEM RESEARCH LAB

The Software and Data Systems Research (SDSR) Lab identifies, researches, and creates world-class software and data system technologies that will fuel an innovation pipeline for Nokia’s business units, internal incubation, and spin-out value creation channels.

We are looking for a visionary, dynamic, and passionate leader for the **Autonomous Network Software Research** department, which creates innovations in the areas of advanced AI/ML systems, edge cloud technologies, large-scale software systems, next-generation networking, and Web3 technologies.

This position offers unique opportunities for stimulating and rewarding professional development—you will tackle a broad range of important “real-world” challenges; interact with global teams, including customers, Nokia business groups, universities, governments; nurture research projects, moving them from seminal ideas through solution development and evaluation to commercialization and deployment; see people benefit from your team’s research. And, the position comes with a wealth of research freedom. We offer an inspiring and supportive environment hard to find elsewhere.

MAIN DUTIES & RESPONSIBILITIES

- Define and execute a ground-breaking research program that develops foundational technologies to the infrastructure for future communication services – extending today’s clouds, heavily leveraging AI/ML for relentless automation, and pushing towards open systems with verifiable trust.
- Lead a team of researchers and engage with partners, customers, academia, and members of the ecosystem to identify research challenges, validate technical solutions, and accelerate business opportunities through technology partnerships, joint proofs-of-concept, business transfers, internal incubation, spin-offs, or licensing opportunities.
- Actively contribute to and shape the research vision of the larger Software and Data systems Research Lab and identify gaps in the Labs research activities and opportunities around new emerging technology and market trends.

DESIRED QUALIFICATIONS

- Ph.D. (or equivalent experience) in computer science, data science, electrical engineering, software engineering, mathematics, or related disciplines.
- Deep understanding of cloud platforms and technologies, AI/ML systems, network protocols, large-scale software systems, and hands on experience with modern software development frameworks.
- Strong research credentials and proven track record of disruptive innovation, with publications in prestigious journals and conferences in relevant fields.
- International reputation and a strong collegial long-term globe-spanning network with a track record of attracting strong talent.
- Proven track record of research impact through product or services creation, publications, and patents.

More details can be found here: <http://q.rfer.us/ALUPERFPDHg66>

Please write to Markus Hofmann (markus.hofmann@nokia-bell-labs.com) for informal discussions.