

## Open Research Positions at Nokia Research Center

### (Pervasive Communications laboratory, Lausanne) (Media Laboratory, Finland)

#### Organization Description:

*Nokia Research Center (NRC)* is a corporate research unit with a unique mission to lead Nokia into the future and to stimulate renewal in the company's direction. In the rapidly changing industrial environment, driven by convergence and Mobile Internet, NRC has a mandate to create seeds for new business and to innovate disruptive new technologies.

Nokia has recently become an Internet-like company delivering overall solutions and experiences to customers – relying on strong position on the mobile device market. This has influenced also the ways how to conduct research. We believe in the demo culture, large-scale experiments and shaping the future together with developers by bringing applications under development for feedback via the Nokia Beta Labs (<http://www.nokia.com/betalabs>). This is reflected also in Nokia's research strategy, Agenda 2015, which extends its time horizon up to seven years from now.

Nokia Research Center strongly relies on the principles of open innovation together with academia, industry collaborators and independent developers. All of the current NRC sites are co-located with leading universities – providing a unique global partner network e.g. with universities like Massachusetts Institute of Technology (MIT), Stanford University, the University of Cambridge and both Swiss Federal Institutes of Technology (EPFL in Lausanne and ETHZ in Zürich).

Nokia Research Center established recently *Pervasive Communications (PeC)* laboratory in Lausanne, Switzerland (<http://www.nokia.com/A4136002?newsid=1207377>). The operation mode is based on seamless collaboration with partner universities, EPFL and ETHZ. Joint project teams investigate research questions based on the commonly agreed research agenda – targeting to publish the results in high-level journals and conferences. Part of the activity portfolio will be based on the recently released open call for research proposals.

Nokia Research Center's *Media Laboratory* carries out research on innovative media and communications solutions, and on new human practices and societal trends. Human interaction is enriched with novel technologies and user interfaces in an environment where creativity and immersive experiences provide a bond between users and Nokia services. The laboratory is also a leading contributor of scalable audio, video and imaging technologies. The laboratory has staff in Tampere and Helsinki, Finland.

**Position Description:**

Pervasive Communications ([http://research.nokia.com/research/labs/nrc\\_pervasive\\_communication\\_laboratory](http://research.nokia.com/research/labs/nrc_pervasive_communication_laboratory)) is a multidisciplinary research laboratory, focusing on areas like:

- Context-aware services and applications – how we can enrich the service experience by knowing users' current, past or future context?
- Social networks linked to location and context – how we can create (ad hoc) communities by exchanging contextual information?
- Pervasive communication interfaces and systems providing personalized context-adaptive communication experiences by modeling of individuals and their social networks.
- Privacy, trust and security aspects – how can we guarantee user acceptance by guaranteeing appropriate level of privacy, trust and security?
- Networking and contextual awareness - how we can efficiently exchange information between different nodes of the systems?
- Context extraction - how can we combine different sensoral inputs to determine the user's context?

Our team is looking for research personnel sharing interests in one or more of the fields described above. Some positions in closely related fields are available also at other sites, like in Finland.

**Qualifications:**

*Experience, education* – you have a strong track record in research, either in academic or industrial environment:

- your educational background is Ph.D. related to some of the fields described above or equivalent experience
- previous experience from industrial research or start-up environment is considered as a strength

*Interests, preferences* – you are motivated to make industrial impact by world-class research results, being active within the scientific community and transferring results forward towards commercialization:

- you have a proven track record to innovate, challenge prevailing thinking and contribute new ideas
- you have strong networking and collaboration skills both in academic and industrial environments
- you can influence both internal and external communities via your research results
- you are motivated to learn by extending your research focus to new possibly multi-disciplinary areas
- previous experience about multidisciplinary research approach is considered a plus

**Further Information:**

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**Position Description (Media Laboratory):**

Nokia Research Center's Media Laboratory is looking for senior (PhD level) researchers in the areas of immersive audio technologies, media systems and transport, and personal content experience. For further information about specific job opportunities, please check the Media Laboratory website at [http://research.nokia.com/research/labs/nrc\\_media\\_laboratory](http://research.nokia.com/research/labs/nrc_media_laboratory).

**Further Information:**

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