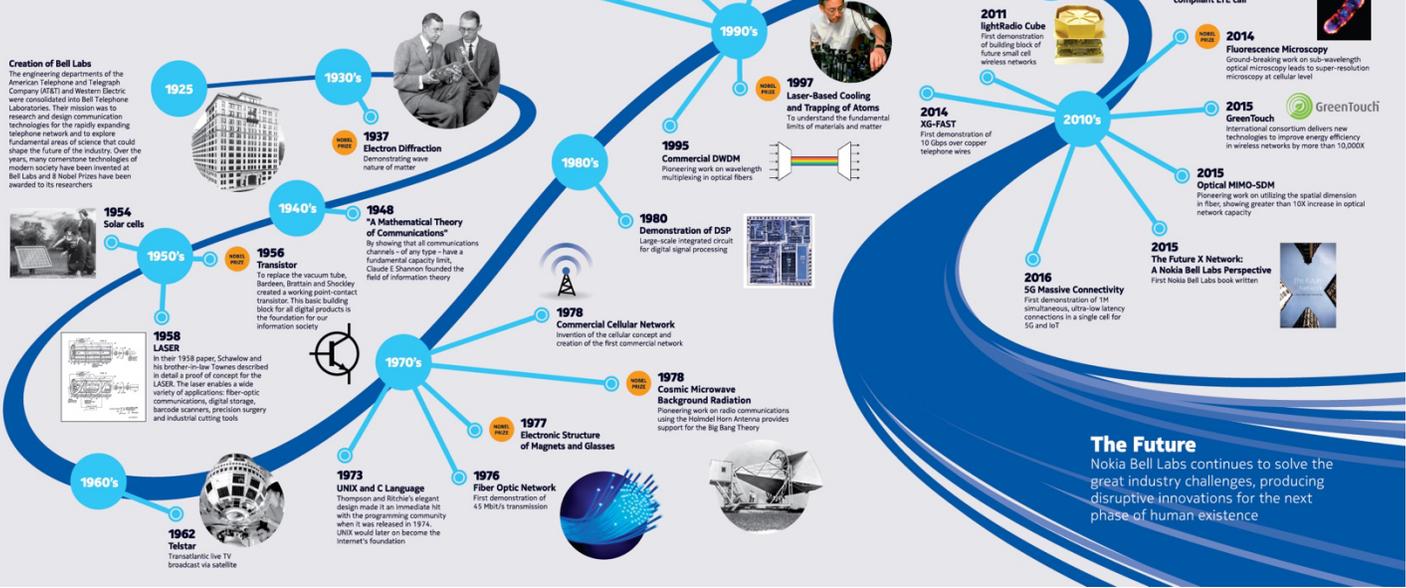


Inventing the Future X Network



SUMMER INTERNSHIPS 2023

Social Dynamics Research, Nokia Bell Labs, Cambridge

The Social Dynamics team at Bell Labs Cambridge (UK) welcomes applications from **outstanding PhD students** (ideally, final-year PhD students). Internships are in the summer, typically between the **beginning of June** and the **end of August**.

Nokia and Bell Labs

Nokia is a global leader in the technologies that connect people and things, and Bell Labs is a worldwide research and development community that focuses its efforts on key technologies. It is internationally renowned as the birthplace of modern information theory, the transistor, the laser and the UNIX operating system.

Bell Labs Cambridge

As part of the research area of "Computational Social Science", the Social Dynamics team answer questions typical of the social sciences using computational methods and, in so doing, produce long-term research (in very 'Bell Labs' style). Responsible AI has been one of the recent focus areas.

Main internship projects

1. **Green Coding: From trial-and-error to energy efficient coding.** Skills: data science, quantitative analysis, compilers, and software engineering.
2. **Characterizing Responsible AI coders on GitHub.** Skills: HCI, conducting user studies, GitHub/web scraping, and quant/qual studies.
3. **Explainable AI for Earth Observation.** Skills: computer vision, geospatial data analysis, remote sensing data analysis (preferred not mandatory), and explainable machine learning.
4. **Ensuring Fairness of Predictive Machine Learning Models with Human-in-the-Loop.** Skills: active learning, explainability methods, and deep learning.
5. **Visualization Tools for Decision-Making in Responsible AI.** Skills: HCI/VIZ, (web)development, and user studies.
6. **Views on Responsible AI across Cohorts.** Skills: quant-qual experience, and mixed-method analyses.

How to apply

Please send your application material with the subject line "Internship 2023" to daniele.quercia@nokia-bell-labs.com by the **6th of January 2023**. This material should include your CV, one paragraph on how your current research fits one of the projects above, and a copy of a recent publication or an example of relevant work. For informal inquiries, please contact daniele.quercia@nokia-bell-labs.com.