



NOKIA BELL LABS Summer Internships 2017

Social Dynamics Research, Nokia Bell Labs, Cambridge

The Social Dynamics team at Bell Labs Cambridge (UK) welcomes an interdisciplinary community of academics and practitioners to join the lab as visitors for a few months in its mission to explore the areas of Computational Social Science for the key themes of Urban, Health, and Culture; Computer Vision; Data Mining; Interaction Design and Visual Analytics; and Complex Networks.

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. 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

Bell Labs' research facility in Cambridge carries out leading research in the area of Social Analytics. In a new scenario of interconnected things, people will, almost more than ever before, matter. The Social Dynamics team works on the idea of a society empowered by digital data with the goal of finding solutions to real problems and contributing to generalizable knowledge. As part of the emerging research area of "Computational Social Science", we answer questions typical of the social sciences using computational methods and produce long-term research (in very 'Bell Labs' style). Members of the team include Daniele Quercia (www.researchswinger.org), Luca Maria Aiello (www.lajello.com), and Miriam Redi (www.visionresearchwitch.com).

Internship projects and requirements

- **Urban Emotions and Touchy Maps** – Enrolled in PhD in Computer Vision/Multimedia, Experience with deep learning for image analysis and with large-scale multimedia retrieval and processing
- **Visual Psychology** – BSc or above in Computer Science, Interaction Design, or related fields; experience in designing Facebook apps, client (HTML5, Javascript) and server side development
- **Familiar Strangers** – Enrolled in MSc/PhD in computer vision. Experience with face recognition and deep learning
- **Social Vitality of Cities** – BSc or above in Computer Science or related fields. Experience with web data collection from API and scraping, GIS tools, and python development. Basic network analysis knowledge.
- **The Nature of Social Ties** – Enrolled in MSc/PhD in Computational Social Science or Social Psychology; experience in designing Facebook apps and in running crowdsourcing experiments.

Please send your CV and application letter with the subject line "Internship 2017" to daniele.quercia@nokia-bell-labs.com by the **6th of March 2017**. For informal inquiries, please contact daniele.quercia@nokia-bell-labs.com, luca.aiello@nokia-bell-labs.com or miriam.redi@nokia.com.